

## Product datasheet for **TA377810S**

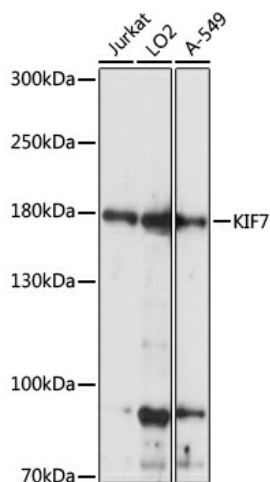
### KIF7 Rabbit Polyclonal Antibody

#### Product data:

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applications:           | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Recommended Dilution:   | WB, 1:200 - 1:2000<br>ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity:             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Modifications:          | Unmodified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Host:                   | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype:                | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality:              | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Formulation:            | Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration:          | lot specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purification:           | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Conjugation:            | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Storage:                | Store at -20°C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Stability:              | Shelf life: one year from despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Predicted Protein Size: | 151kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Name:              | kinesin family member 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Database Link:          | <a href="#">Entrez Gene 374654 Human Q2M1P5</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Background:             | This gene encodes a cilia-associated protein belonging to the kinesin family. This protein plays a role in the sonic hedgehog (SHH) signaling pathway through the regulation of GLI transcription factors. It functions as a negative regulator of the SHH pathway by preventing inappropriate activation of GLI2 in the absence of ligand, and as a positive regulator by preventing the processing of GLI3 into its repressor form. Mutations in this gene have been associated with various ciliopathies. |
| Synonyms:               | EQYK340; MGC120653; MGC138476; MGC138478; UNQ340                                                                                                                                                                                                                                                                                                                                                                                                                                                             |


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## Product images:



Western blot analysis of various lysates using KIF7 Rabbit pAb ([TA377810]) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 5s.