

Product datasheet for **TA335934**

Kinectin 1 (KTN1) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for Anti-KTN1 Antibody: synthetic peptide directed towards the middle region of human KTN1. Synthetic peptide located within the following region: EELLKVISEREKEISGLWNELDLKDVEHQKKNNDLREKNWEAMEALA |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| Purification: | Affinity Purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 150 kDa |
| Gene Name: | kinectin 1 |
| Database Link: | NP_001072990 Entrez Gene 3895 Human Q86UP2 |



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Background:

Various cellular organelles and vesicles are transported along the microtubules in the cytoplasm. Likewise, membrane recycling of the endoplasmic reticulum (ER), Golgi assembly at the microtubule organizing center, and alignment of lysosomes along microtubules are all related processes. The transport of organelles requires a special class of microtubule-associated proteins (MAPs). One of these is the molecular motor kinesin, an ATPase that moves vesicles unidirectionally toward the plus end of the microtubule. Another such MAP is kinectin, a large integral ER membrane protein. Antibodies directed against kinectin have been shown to inhibit its binding to kinesin. Various cellular organelles and vesicles are transported along the microtubules in the cytoplasm. Likewise, membrane recycling of the endoplasmic reticulum (ER), Golgi assembly at the microtubule organizing center, and alignment of lysosomes along microtubules are all related processes. The transport of organelles requires a special class of microtubule-associated proteins (MAPs). One of these is the molecular motor kinesin (see MIM 148760 and MIM 600025), an ATPase that moves vesicles unidirectionally toward the plus end of the microtubule. Another such MAP is kinectin, a large integral ER membrane protein. Antibodies directed against kinectin have been shown to inhibit its binding to kinesin. [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

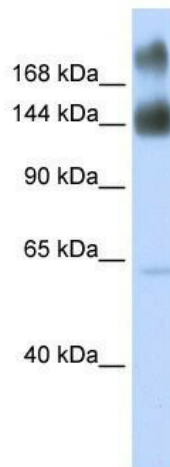
CG1; KNT; MU-RMS-40.19

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Rabbit: 93%; Zebrafish: 79%

Protein Families:

Druggable Genome, Transmembrane

Product images:

WB Suggested Anti-KTN1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: Human brain