

## Product datasheet for **TA374487**

### **TAPA1 (CD81) Rabbit Polyclonal Antibody**

#### **Product data:**

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | ICC/IF, IHC, WB   |
| Recommended Dilution:   | WB,1:500 - 1:1000<br>IHC,1:50 - 1:200<br>IF,1:50 - 1:200  |
| Reactivity:             | Human, Mouse, Rat   |
| Modifications:          | Unmodified  |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Immunogen:              | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human CD81 (NP_004347.1). |
| Formulation:            | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.   |
| 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: | 25kDa   |
| Gene Name:              | CD81 molecule   |
| Database Link:          | <a href="#">Entrez Gene 975 Human P60033</a>  |



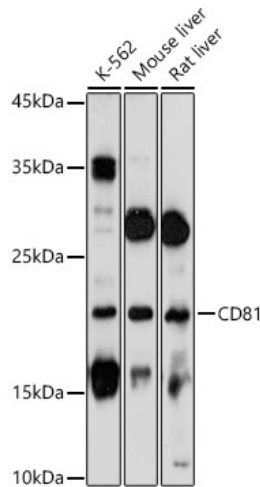
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**Background:**

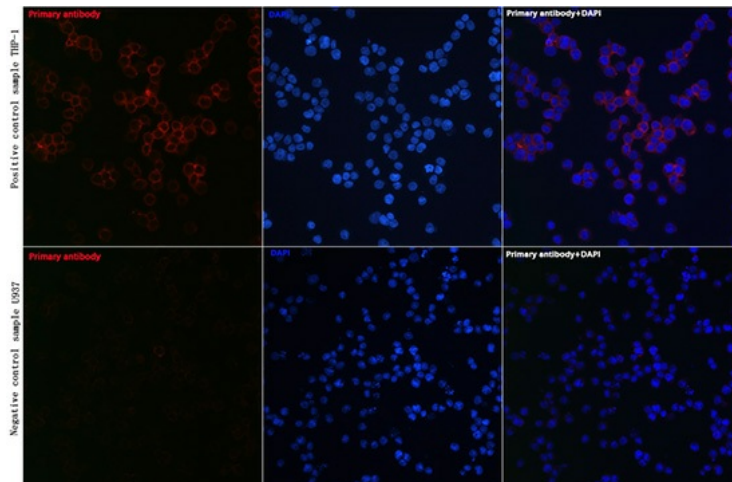
The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene.

**Synonyms:**

S5.7; TAPA-1; TAPA1; Tetraspanin-28; Tspan-28; TSPAN28

**Product images:**


Western blot analysis of extracts of various cell lines, using CD81 antibody (TA374487) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 1s.



Immunofluorescence analysis of THP-1 and U-937 cells using CD81 Rabbit pAb (TA374487) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.