

# Anti-CMTM6 Antibody

Catalog # AP60947

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q9NX76</a> |
| Reactivity        | Human, Mouse, Rat, Mk  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 20419                  |

## Additional Information

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 54918                                                                                                                                |
| Other Names        | CKLFSF6; CKLF-like MARVEL transmembrane domain-containing protein 6; Chemokine-like factor superfamily member 6                      |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CMTM6. The exact sequence is proprietary. |
| Dilution           | WB~~WB (1/500 - 1/1000)                                                                                                              |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                            |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                            |

## Protein Information

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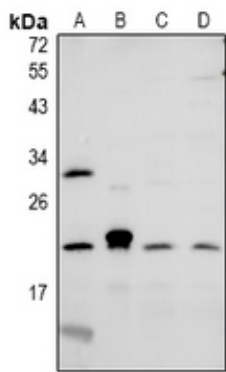
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | CMTM6 {ECO:0000303 PubMed:28813417, ECO:0000312 HGNC:HGNC:19177}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Function          | Master regulator of recycling and plasma membrane expression of PD-L1/CD274, an immune inhibitory ligand critical for immune tolerance to self and antitumor immunity. Associates with both constitutive and IFNG-induced PD-L1/CD274 at recycling endosomes, where it protects PD-L1/CD274 from being targeted for lysosomal degradation, likely by preventing its STUB1-mediated ubiquitination. May stabilize PD-L1/CD274 expression on antigen presenting cells and potentiates inhibitory signaling by PDCD1/CD279, its receptor on T-cells, ultimately triggering T-cell anergy. |
| Cellular Location | Cell membrane; Multi-pass membrane protein. Early endosome membrane; Multi-pass membrane protein. Recycling endosome membrane; Multi-pass membrane protein. Note=Co-localizes with PD-L1/CD274 in the plasma membrane and in recycling endosomes.                                                                                                                                                                                                                                                                                                                                      |

**Tissue Location**

Expressed in the leukocytes, placenta and testis.

**Images**

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Western blot analysis of CMTM6 expression in rat testis (A), CT26 (B), A549 (C), LO2 (D) whole cell lysates.  
(Predicted band size: 20 kD; Observed band size: 20 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.