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# TMEM150B Antibody (N-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP11399a**

## Specification

### TMEM150B Antibody (N-term) - Product Information

| | |
|---|---|
| Application | **WB, IF, IHC-P,E** |
| Primary Accession | A6NC51 |
| Other Accession | NP_001078957.1 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **25701** |
| Antigen Region | **13-41** |

### TMEM150B Antibody (N-term) - Additional Information

**Gene ID** 284417

**Other Names**
Transmembrane protein 150B, Transmembrane protein 224, TMEM150B, TMEM224

**Target/Specificity**
This TMEM150B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-41 amino acids from the N-terminal region of human TMEM150B.

**Dilution**
WB~~1:1000
IF~~1:10~50
IHC-P~~1:10~50

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
TMEM150B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### TMEM150B Antibody (N-term) - Protein Information

**Name** TMEM150B (HGNC:34415)

**Function** Modulator of macroautophagy that causes accumulation of autophagosomes under basal conditions and enhances autophagic flux (PubMed:25929859). Represses cell death and promotes long-term clonogenic survival of cells grown in the absence of glucose in a macroautophagy-independent manner (PubMed:25929859). May have some role in extracellular matrix engulfment or growth factor receptor recycling, both of which can modulate cell survival (PubMed:25929859).

**Cellular Location**
Cell membrane; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Cytoplasmic vesicle, autophagosome membrane; Multi-pass membrane protein. Note=Localizes mainly at the plasma membrane where it concentrates at actin-rich focal adhesions (PubMed:25608530, PubMed:25929859).

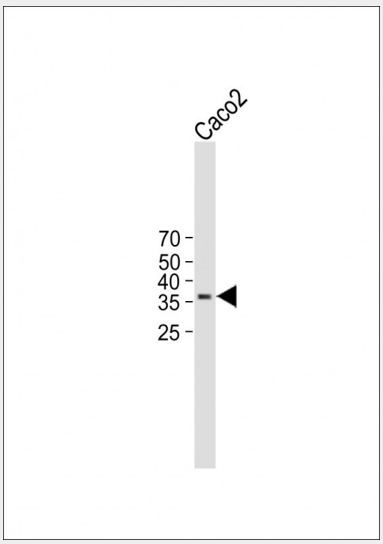
**Tissue Location**
Highly expressed in the colon and lung with comparatively high levels also detectable in the lymph nodes, placenta, duodenum, peripheral blood mononuclear cells and spleen (PubMed:25929859).

## TMEM150B Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

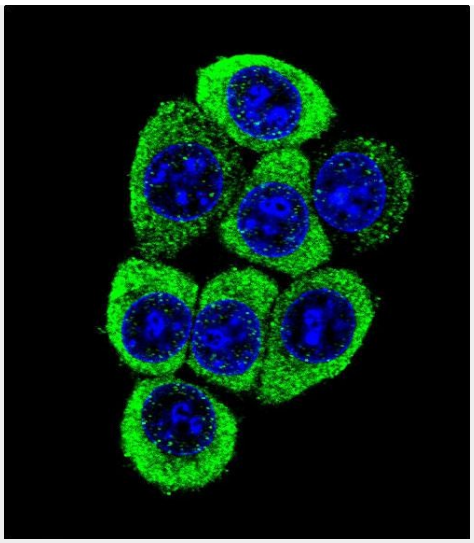
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## TMEM150B Antibody (N-term) - Images

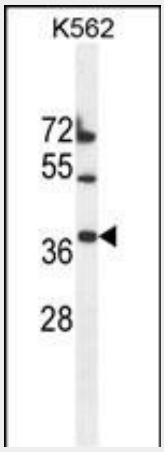



All lanes : Anti-TMEM150B Antibody (N-term) at 1:1000 dilution Lane 1 : Caco2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 36kDa Blocking/Dilution buffer : 5% NFDM/TBST.

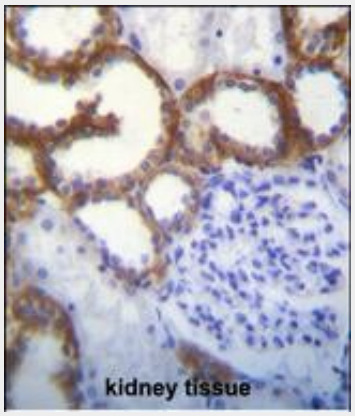
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Confocal immunofluorescent analysis of TMEM150B Antibody (N-term)(Cat#AP11399a) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).




TMEM150B Antibody (N-term) (Cat. #AP11399a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the TMEM150B antibody detected the TMEM150B protein (arrow).




TMEM150B Antibody (N-term) (Cat. #AP11399a)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TMEM150B Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

**TMEM150B Antibody (N-term) - References**

Stolk, L., et al. Nat. Genet. (2009) In press :
Grimwood, J., et al. Nature 428(6982):529-535(2004)