

TMEM150B Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11399a

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	A6NC51
Other Accession	NP_001078957.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29393
Calculated MW	25701
Antigen Region	13-41

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 IHC-P~~1:100~500 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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.

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).

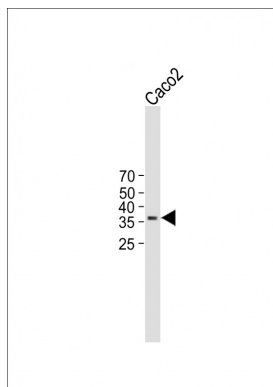
Tissue Location

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).

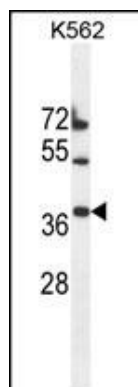
References

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

Images

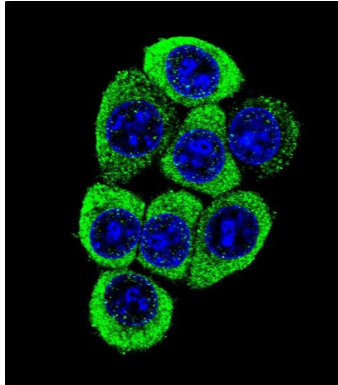
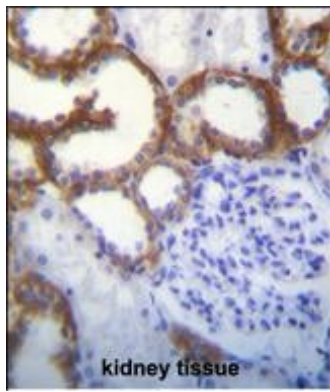


All lanes : Anti-TMEM150B Antibody (N-term) at 1:1000 dilution
Lane 1 : Caco2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 36kDa Blocking/Dilution buffer : 5% NFDM/TBST.



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.



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

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