

Datasheet for ABIN6991906
anti-TMEM107 antibody (N-Term)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	TMEM107
Binding Specificity:	AA 20-70, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TMEM107 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	TMEM107 antibody was raised against a 19 amino acid peptide near the amino terminus of human TMEM107. The immunogen is located within amino acids 20 - 70 of TMEM107 .
Isotype:	IgG
Specificity:	TMEM107 antibody is human specific. At least two isoforms of TMEM107 are known to exist.
Purification:	TMEM107 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TMEM107
Alternative Name:	TMEM107 (TMEM107 Products)

Target Details

Background:	Transmembrane protein 107 (TMEM 107) is critical for cilia formation and embryonic patterning (1). It is a 139 amino acid transmembrane protein encoded by a gene that maps to human chromosome 17 which is associated with two key tumor suppressor genes p53 and BRCA1 (1,2). TMEM107 is required for normal Sonic hedgehog (Shh) signaling in the neural tube and acts in combination with Gli2 and Gli3 to pattern ventral and intermediate neuronal cell types (1,3). TMEM107 is also a strong candidate gene for central areolar choroidal dystrophy (CACD) (1-3).
Molecular Weight:	Predicted: 16 kDa Observed: 19kDa
Gene ID:	84314
NCBI Accession:	NP_115730
UniProt:	Q6UX40

Application Details

Application Notes:	TMEM107 antibody can be used for detection of TMEM107 by Western blot at 1 - 2 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	TMEM107 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	TMEM107 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.