

Anti-Transmembrane protein 107 TMEM107 Antibody

Catalog Number: A04966-1

About TMEM107

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).

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Overview

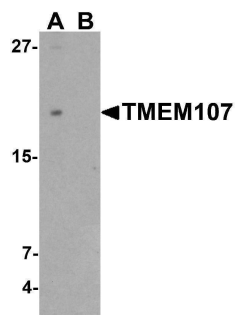
Product Name	Anti-Transmembrane protein 107 TMEM107 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Transmembrane protein 107 TMEM107 Antibody (Catalog # A04966-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TMEM107 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TMEM107antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q6UX40

Technical Details

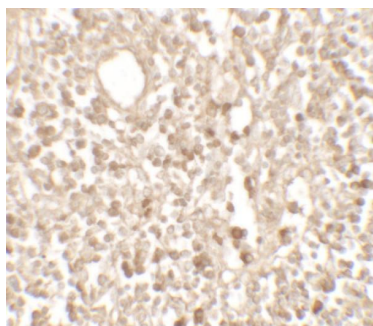
Immunogen	TMEM107 antibody was raised against a 19 amino acid peptide near the amino terminus of human TMEM107. The immunogen is located within amino acids 20 - 70 of TMEM107 .
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	TMEM107 antibody is human specific. At least two isoforms of TMEM107 are known to exist.
Isotype	IgG

Form	Liquid
Concentration	1 mg/mL
Purification	TMEM107 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TMEM107 antibody can be used for detection of TMEM107 by Western blot at 1 - 2 ug/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. Optimal dilutions for each application should be determined by the researcher.

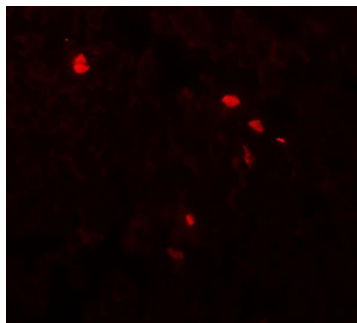
Anti-Transmembrane protein 107 TMEM107 Antibody (A04966-1) Images



Western blot analysis of TMEM107 in THP-1 cell lysate with TMEM107 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of TMEM107 in human lymph node tissue with TMEM107 antibody at 5 ug/mL.



Immunofluorescence of TMEM107 in human lymph node tissue with TMEM107 antibody at 20 ug/mL.

[Anti-Transmembrane protein 107 TMEM107 Antibody](#)

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