

Rabbit TMP21 Polyclonal Antibody | anti-TMP21 antibody

TMP21 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304933	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

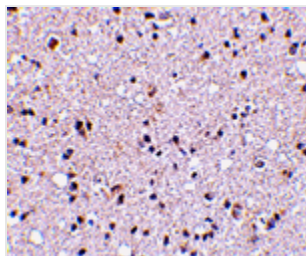
PRODUCT SYNONYMS

TMP21; Polyclonal Antibody; TMP21 Antibody; Transmembrane emp24 domain-containing protein 10; TMED10; anti-TMP21 antibody

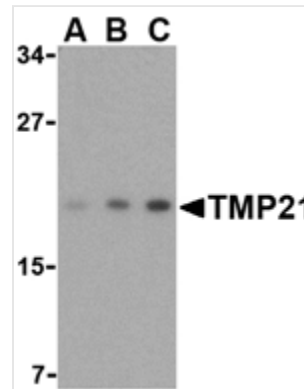
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	219
Applicable Applications for anti-TMP21 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide from near the center of human TMP21.
Target Name	TMP21
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of TMP21 in human brain tissue with TMP21 antibody at 5 ug/mL.


WB (Western Blot)

Western blot analysis of TMP21 in mouse brain tissue lysate with TMP21 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TMP21 antibody	TMP21 is a ubiquitously expressed protein that is involved in vesicular targeting and protein transport. More recent experiments have shown that it is also a component in the presenilin complex and modulates the gamma-secretase but not the epsilon-secretase cleavage activity of the amyloid precursor protein. The presenilin complex is composed of the proteins APH1, nicastrin, and PEN2 in addition to presenilin-1. Together, these proteins cleave the amyloid precursor protein at what is known as the gamma- and epsilon-sites and can lead to the accumulation of the Abeta cleavage product that is associated with Alzheimer's disease. Co-immunoprecipitation experiments using antibodies against these proteins also yielded TMP21 indicating that TMP21 may play a role in the regulation of this complex. Suppression of TMP21 expression by siRNA in transfected cells caused increased gamma-secretase activity but not epsilon-secretase activity, and increased Abeta; production, demonstrating that TMP21 can modulate gamma-secretase activity.
Product Categories/Family for anti-TMP21 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885697
NCBI GeneID	10972
Molecular Weight	24,976 Da
NCBI Official Full Name	TMP21
NCBI Official Synonym Full Names	transmembrane p24 trafficking protein 10
NCBI Official Symbol	TMED10
NCBI Official Synonym Symbols	p23; TMP21; S31I125; Tmp-21-I; S31III125; P24(DELTA)
NCBI Protein Information	transmembrane emp24 domain-containing protein 10
UniProt Protein Name	Transmembrane emp24 domain-containing protein 10
UniProt Gene Name	TMED10
UniProt Synonym Gene Names	TMP21; S31I125; p24delta1
UniProt Entry Name	TMEDA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.