

Rabbit anti-Human, Mouse TMEM120A Polyclonal Antibody | anti-TMEM120A antibody

TMEM120A Antibody (N-term) Affinity Purified Rabbit Polyclonal Antibody (Pab)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290993	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

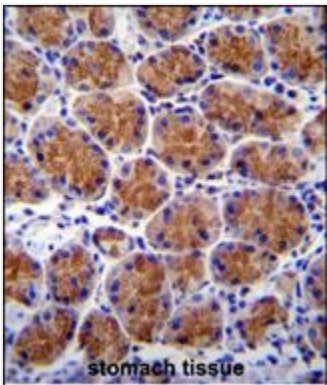
PRODUCT SYNONYMS

TMEM120A; Polyclonal Antibody; TMEM120A Antibody (N-term) Affinity Purified Rabbit Polyclonal Antibody (Pab); Transmembrane protein 120A; Transmembrane protein induced by tumor necrosis factor alpha; TMPIT; anti-TMEM120A antibody

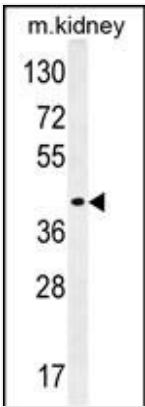
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This TMEM120A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-36 amino acids from the N-terminal region of human TMEM120A.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Applicable Applications for anti-TMEM120A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Antigen Region	7-36
Function	Ion channel involved in sensing mechanical pain. Contributes to mechanosensitive currents in nociceptors and detecting mechanical pain stimuli (By similarity). May also be required for efficient adipogenesis (PubMed:26024229).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q8C1E7}; Multi-pass membrane protein. Nucleus inner membrane {ECO:0000250 UniProtKB:Q8C1E7}; Multi-pass membrane protein
Tissue Location	Expressed in nociceptors.
Preparation and 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.

IMAGES



IHC (Immunohistochemistry)
TMEM120A Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TMEM120A Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
TMEM120A Antibody (N-term) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the TMEM120A antibody detected the TMEM120A protein (arrow).

ADDITIONAL INFORMATION

Product Categories/Family for anti-TMEM120A antibody	Primary Antibodies; Cell Biology
References	Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13994300
NCBI GeneID	83862
NCBI Accession #	NP_114131.1
NCBI GenBank Nucleotide #	NM_031925.2
UniProt Accession #	Q9BXJ8; Q86TE9; Q8N6P1
NCBI Official Full Name	transmembrane protein 120A
NCBI Official Synonym Full Names	transmembrane protein 120A
NCBI Official Symbol	TMEM120A
NCBI Official Synonym Symbols	NET29; TMPIT
NCBI Protein Information	transmembrane protein 120A; transmembrane protein induced by tumor necrosis factor alpha
UniProt Protein Name	Transmembrane protein 120A
UniProt Gene Name	TMEM120A
UniProt Synonym Gene Names	TMPIT
UniProt Entry Name	T120A_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.