

Rabbit TMEM49 Polyclonal Antibody | anti-TMEM49 antibody

TMEM49

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA269017	Rabbit	Human, Mouse, Rat, Pig, Horse, Rabbit	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

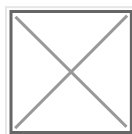
PRODUCT SYNONYMS

TMEM49; Polyclonal Antibody; Vacuole membrane protein 1; DKFZP566I133; TDC1; Transmembrane protein 49; vmp1; VMP1_HUMAN; anti-TMEM49 antibody

PRODUCT SPECIFICATIONS

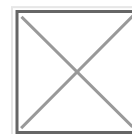
Host	Rabbit
Reactivity	Human, Mouse, Rat, Pig, Horse, Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Protein A affinity purified.
Form/Format	0.01M TBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Applicable Applications for anti-TMEM49 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	KLH conjugated synthetic peptide derived from human TMEM49 361-406aa
Product type	Rabbit polyclonal IgG primary antibodies.
Positive Control	Mouse pancreas tissue, Kidney (Mouse) Lysate.
Subcellular location	Endoplasmic reticulum,- Golgi intermediate compartment membrane. Cell membrane. Vacuole membrane. Endoplasmic reticulum.
Preparation and Storage	Store at -20°C. Avoid repeated freeze/ thaw cycles.

IMAGES



WB (Western Blot)

Kidney (Mouse) Lysate at 40 ug.Primary: Anti-TMEM49 at 1/1000 dilution.Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution.Predicted band size: 46 kD.Observed band size: 46 kD.



IHC (Immunohistochemistry)

Tissue/cell: mouse pancreas tissue; 4% Paraformaldehyde fixed and paraffin-embedded.Antigen retrieval: citrate buffer (0.01M, pH 6.0).Boiling bathing for 15min.Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min.Blocking buffer (normal goat serum) at 37 degree C for 20 min.Incubation: Anti-TMEM49 Polyclonal Antibody,Unconjugated 1:200, overnight at 4 degree C, followed by conjugation to the secondary antibody and DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-TMEM49 antibody	This gene encodes a transmembrane protein that plays a key regulatory role in the process of autophagy. The ectopic overexpression of the encoded protein in cultured cells triggers autophagy even under nutrient-rich conditions. This gene is overexpressed in pancreatitis affected acinar cells where the encoded protein mediates sequestration and degradation of potentially deleterious activated zymogen granules in a process termed, zymophagy. Stress induced protein that, when overexpressed, promotes formation of intracellular vacuoles followed by cell death. May be involved in the cytoplasmic vacuolization of acinar cells during the early stage of acute pancreatitis. Plays a role in the initial stages of the autophagic process through its interaction with BECN1 (By similarity). Involved in cell-cell adhesion. Plays an essential role in formation of cell junctions. Sequence similarities: Belongs to the VMP1 family.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q96GC9
Molecular Weight	46kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tmem49-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/269017>