10320 Camino Santa Fe, Suite G
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TMEM132A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54717

Specification

TMEM132A Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q24JP5
Reactivity	**Rat, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**106 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human TMEM132A**
Epitope Specificity	**331-430/1023**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Golgi apparatus membrane; Single-pass type I membrane protein (By similarity). Endoplasmic reticulum membrane; Single-pass type I membrane protein**
SIMILARITY	**Belongs to the TMEM132 family.**
SUBUNIT	**Interacts with HSPA5/GRP78**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
TMEM132A is a 560 amino acid protein encoded by a gene mapping to human chromosome 11. With approximately 135 million base pairs and 1,400 genes, chromosome 11 makes up around 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxia-telangiectasia. The blood disorders Sickle cell anemia and ∫ thalassemia are caused by HBB gene mutations. Wilms' tumors, WAGR syndrome and Denys-Drash syndrome are associated with mutations of the WT1 gene. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11.

TMEM132A Polyclonal Antibody - Additional Information

Gene ID 54972

Other Names
Transmembrane protein 132A, HSPA5-binding protein 1, TMEM132A, HSPA5BP1, KIAA1583

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Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

TMEM132A Polyclonal Antibody - Protein Information

Name TMEM132A

Synonyms HSPA5BP1, KIAA1583

Function
May play a role in embryonic and postnatal development of the brain. Increased resistance to cell death induced by serum starvation in cultured cells. Regulates cAMP-induced GFAP gene expression via STAT3 phosphorylation (By similarity).

Cellular Location
Golgi apparatus membrane; Single- pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein

TMEM132A Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TMEM132A Polyclonal Antibody - Images