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TMEM132A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54717

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q24JP5
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110110
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.

Additional Information

Gene ID	54972
Other Names	Transmembrane protein 132A, HSPA5-binding protein 1, TMEM132A, HSPA5BP1, KIAA1583
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C 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 °C.

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