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Rabbit Anti-TMEM132A antibody

SL12068R

Product Name:	TMEM132A
Chinese Name:	Transmembrane protein132A抗体
Alias:	GBP; HSPA5-binding protein 1; HSPA5BP1; T132A_HUMAN; Tmem132a; Transmembrane protein 132A.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	106kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TMEM132A:331-430/1023<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:
Interacts with HSPA5/GRP78

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.

SWISS:
Q24JP5

Gene ID:
54972

Database links:

Entrez Gene: 540137Cow

Entrez Gene: 612353Dog

Entrez Gene: 100062008Horse

Entrez Gene: 54972Human

Entrez Gene: 98170Mouse

Entrez Gene: 100511308Pig

Entrez Gene: 338474Rat

SwissProt: Q24JP5Human

SwissProt: Q922P8Mouse

SwissProt: Q80WF4Rat

	Unigene: 118552Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.