

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.
Research Area	Neurobiology Apoptosis The cell membrane 蛋白
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Pig, Cow, Horse, Rabbit, Sheep,) IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	106kDa
Cellular localization	cytoplasmic The cell membrane
Form	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
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

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 β 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

**Product
Detail**

Similarity:

Belongs to the TMEM132 family.

SWISS:

Q24JP5

Gene ID:

54972

Database links:

[Entrez Gene: 540137](#) Cow

[Entrez Gene: 612353](#) Dog

[Entrez Gene: 100062008](#) Horse

[Entrez Gene: 54972](#) Human

[Entrez Gene: 98170](#) Mouse

[Entrez Gene: 100511308](#) Pig



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[Entrez Gene: 338474](#) Rat

[SwissProt: Q24JP5](#) Human

[SwissProt: Q922P8](#) Mouse

[SwissProt: Q80WF4](#) Rat

[Unigene: 118552](#) Human