SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

# Rabbit Anti-TMEM16C antibody

SL12479R

| | |
|---|---|
| **Product Name:** | TMEM16C |
| **Chinese Name:** | Transmembrane protein16C抗体 |
| **Alias:** | Anoctamin 3; ANO3; C11orf25; GENX 3947; TMEM16C; Transmembrane protein 16C (eight membrane spanning domains); Transmembrane protein 16C; ANO3_HUMAN; DYT23; DYT24; GENX-3947. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep, |
| **Applications:** | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 115kDa |
| **Cellular localization:** | The cell membrane |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human TMEM16C/Anoctamin 3:801-900/981<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:** | TMEM16C is a 981 amino acid multi-pass membrane protein that is encoded by a gene which maps to 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, while 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:**
Anoctamin 3 belongs to the anoctamin family. Anoctamin 3 may act as a calcium activated chloride channel.

**Subcellular Location:**
Membrane; Multi pass membrane protein.

**Similarity:**
Belongs to the anoctamin family.

**SWISS:**
Q9BYT9

**Gene ID:**
63982

**Database links:**

Entrez Gene: 63982Human

Entrez Gene: 228432Mouse

Entrez Gene: 100519534Pig

Entrez Gene: 311287Rat

Omim: 610110Human

SwissProt: Q9BYT9Human

SwissProt: A2AHL1Mouse

SwissProt: F1SFZ6Pig

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