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# anti-ANO3 antibody (AA 801-900) (Biotin)



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|  |  |                    |

| Quantity:            | 100 μL                                                                                                                                        |  |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|
| Target:              | ANO3                                                                                                                                          |  |
| Binding Specificity: | AA 801-900                                                                                                                                    |  |
| Reactivity:          | Human                                                                                                                                         |  |
| Host:                | Rabbit                                                                                                                                        |  |
| Clonality:           | Polyclonal                                                                                                                                    |  |
| Conjugate:           | This ANO3 antibody is conjugated to Biotin                                                                                                    |  |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |  |

#### **Product Details**

| Immunogen:            | KLH conjugated synthetic peptide derived from human TMEM16C/Anoctamin 3 |  |
|-----------------------|-------------------------------------------------------------------------|--|
| Isotype:              | IgG                                                                     |  |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit                          |  |
| Purification:         | Purified by Protein A.                                                  |  |

## **Target Details**

| Target:           | ANO3                                                                          |  |
|-------------------|-------------------------------------------------------------------------------|--|
| Alternative Name: | TMEM16C/Anoctamin 3 (ANO3 Products)                                           |  |
| Background:       | Synonyms: ANO3, C11orf25, GENX 3947, TMEM16C, Transmembrane protein 16C eight |  |

membrane spanning domains, Transmembrane protein 16C, ANO3\_HUMAN.

Background: 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.

Gene ID:

63982

### **Application Details**

Application Notes: WB 1:300-5000

IHC-P 1:200-400

IHC-F 1:100-500

Restrictions: For Research Use only

#### Handling

| Format:            | Liquid                                                                                                             |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 1 μg/μL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.         |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C for 12 months.                                                                                      |
| Expiry Date:       | 12 months                                                                                                          |