## bs-12479R

## [ Primary Antibody ]

## TMEM16C Rabbit pAb

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 63982 SWISS: Q9BYT9

Target: TMEM16C

**Immunogen:** KLH conjugated synthetic peptide derived from human

TMEM16C/Anoctamin 3: 801-900/981. < Extracellular >

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

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 ataxiatelangiectasia. 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.

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) IHC-F (1:100-500) **IF** (1:100-500) ICC/IF (1:100-500) **ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse,

Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 115 kDa

Subcellular Location: Cell membrane