ANO10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ANO10, Polyclonal Antibody
Full Product Name	ANO10 (Anoctamin-10, Transmembrane Protein 16K, ANO10, TMEM16K) (MaxLight 405)
Product Gene Name	anti-ANO10 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes ANO10. Species Crossreactivity: human, mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	53,843 Da
3D Structure	ModBase 3D Structure for Q9NW15
Immunogen	KLH conjugated synthetic peptide corresponding to aa620-653 from human ANO10.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-ANO10 antibody	Antibodies; Transmembrane Proteins
Applications Tested/Suitable for anti-ANO10 antibody	Western Blot (WB)
Application Notes for anti-ANO10 antibody	WB: 1:1000-2000 Applications are based on unconjugated antibody.
Related Product Information for anti-ANO10 antibody	MBS6454242 is an antibody targeting ANO10. Also known as ANO10 (Anoctamin-10, Transmembrane Protein 16K, ANO10, TMEM16K) (MaxLight 405). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-ANO10 antibody	Ota T., et al. Nat. Genet. 36:40-45(2004). Muzny D.M., et al. Nature 440:1194-1198(2006). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Schreiber R., et al. J. Biol. Chem. 285:7838-7845(2010). Duran C., et al. Acta Pharmacol. Sin. 32:685-692(2011).
Other Notes	Small volumes of anti-ANO10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANO10. It may not necessarily be applicable to this product.

NCBI GI #	325651952

NCBI GeneID	55129
NCBI Accession #	NP_001191763.1
UniProt Primary Accession #	Q9NW15
UniProt Secondary Accession #	Q8IXX9; A8K8K3; A8MV74; B3KTZ1; B3KY93; B4DJ83; B4DNK2; B7WP12; C9JHS1
UniProt Related Accession #	Q9NW15
GenBank Nucleotide #	NM_001204834.2
NCBI Official Full Name	anoctamin-10 isoform 5
NCBI Official Synonym Full Names	anoctamin 10
NCBI Official Symbol	ANO10
NCBI Official Synonym Symbols	SCAR10; TMEM16K
UniProt Protein Name	Anoctamin-10
UniProt Synonym Protein Names	Transmembrane protein 16K
Protein Family	Anoctamin
UniProt Gene Name	ANO10
UniProt Synonym Gene Names	TMEM16K
NCBI Protein Information	anoctamin-10
NCBI Summary for ANO10	The transmembrane protein encoded by this gene belongs to the anoctamin family of calcium-activated chloride channels, also known as the transmembrane 16 family. The encoded protein contains eight transmembrane domains with cytosolic N- and C-termini. Defects in this gene may cause autosomal recessive spinocerebellar ataxia-10. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016]
UniProt Comments for ANO10	Does not exhibit calcium-activated chloride channel (CaCC) activity. Can inhibit the activity of ANO1.
Research Articles on ANO10	**1.** This study describe 2 Romani families from Serbia presenting with seemingly dominant (multiple affected individuals in successive generations) cerebellar ataxia, both harboring the same homozygous (recessive) mutation in ANO10, identified by whole-exome sequencing.
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