

**TMEM16B / ANO2 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13537**

**Specification**

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**TMEM16B / ANO2 Antibody (N-Terminus) - Product Information**

Application	IF
Primary Accession	<a href="#">O9NQ90</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	114kDa KDa

**TMEM16B / ANO2 Antibody (N-Terminus) - Additional Information**

**Gene ID** 57101

**Other Names**

Anoctamin-2, Transmembrane protein 16B, ANO2, C12orf3, TMEM16B

**Target/Specificity**

Human ANO2

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

TMEM16B / ANO2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**TMEM16B / ANO2 Antibody (N-Terminus) - Protein Information**

**Name** ANO2

**Synonyms** C12orf3, TMEM16B

**Function**

Calcium-activated chloride channel (CaCC) which may play a role in olfactory signal transduction. Odorant molecules bind to odor- sensing receptors (OSRs), leading to an increase in calcium entry that activates CaCC current which amplifies the depolarization of the OSR cells, ANO2 seems to be the underlying chloride channel involved in this process. May mediate light perception amplification in retina.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

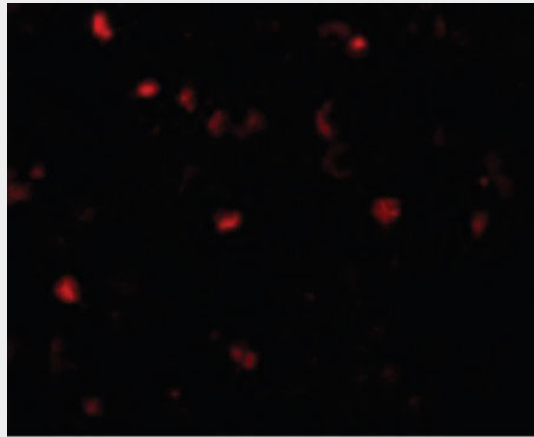
Retina, especially in the photoreceptor synaptic terminals.

## TMEM16B / ANO2 Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## TMEM16B / ANO2 Antibody (N-Terminus) - Images



Immunofluorescence of TMEM16B in Human Brain cells with TMEM16B antibody at 20 ug/ml.

## TMEM16B / ANO2 Antibody (N-Terminus) - Background

Calcium-activated chloride channel (CaCC) which may play a role in olfactory signal transduction. Odorant molecules bind to odor-sensing receptors (OSRs), leading to an increase in calcium entry that activates CaCC current which amplifies the depolarization of the OSR cells, ANO2 seems to be the underlying chloride channel involved in this process. May mediate light perception amplification in retina.

## TMEM16B / ANO2 Antibody (N-Terminus) - References

Lorenz B.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.  
Stoehr H.,et al.J. Neurosci. 29:6809-6818(2009).  
Scherer S.E.,et al.Nature 440:346-351(2006).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
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