

**ANO5 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8580B**

### Specification

#### ANO5 Antibody (C-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	<a href="#">Q75V66</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	107188
Antigen Region	792-819

#### ANO5 Antibody (C-term) - Additional Information

**Gene ID** 203859

#### Other Names

Anoctamin-5, Gnathodiaphyseal dysplasia 1 protein, Transmembrane protein 16E, ANO5, GDD1, TMEM16E

#### Target/Specificity

This ANO5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 792-819 amino acids from the C-terminal region of human ANO5.

#### Dilution

IHC-P~1:50~100

WB~1:1000

E~~Use at an assay dependent concentration.

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

ANO5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### ANO5 Antibody (C-term) - Protein Information

**Name** ANO5

**Synonyms** GDD1, TMEM16E

**Function** Plays a role in plasma membrane repair in a process involving annexins (PubMed:[33496727](#)). Does not exhibit calcium-activated chloride channel (CaCC) activity.

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Note=Colocalized with CALR/calreticulin (PubMed:15124103). Shows an intracellular localization according to PubMed:22075693.

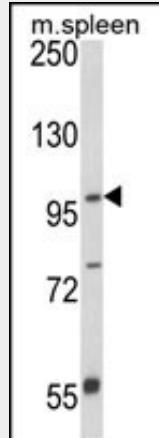
**Tissue Location**

Highly expressed in brain, heart, kidney, lung, and skeletal muscle. Weakly expressed in bone marrow, fetal liver, placenta, spleen, thymus, osteoblasts and periodontal ligament cells

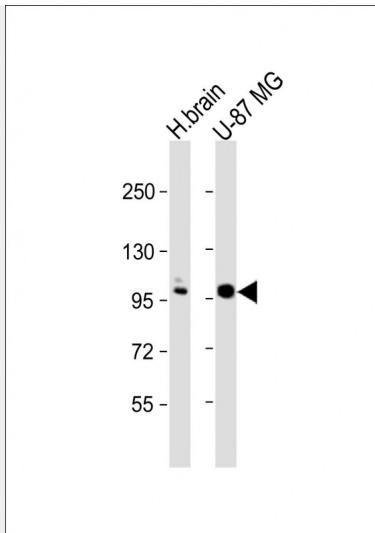
**ANO5 Antibody (C-term) - Protocols**

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

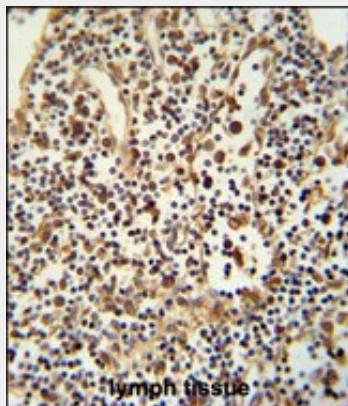
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ANO5 Antibody (C-term) - Images**

Western blot analysis of ANO5 Antibody (C-term) (Cat. #AP8580b) in mouse spleen tissue lysates (35ug/lane). ANO5 (arrow) was detected using the purified Pab.



All lanes : Anti-ANO5 Antibody (C-term) at 1:1000 dilution Lane 1: human brain lysate Lane 2: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 107 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ANO5 Antibody (C-term) (Cat. #AP8580b) immunohistochemistry analysis in formalin fixed and paraffin embedded human lymph tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ANO5 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **ANO5 Antibody (C-term) - Background**

ANO5 is a member of the anoctamin family of transmembrane proteins. This protein is likely a calcium activated chloride channel.

#### **ANO5 Antibody (C-term) - References**

Katoh, M. et.al., Am. J. Hum. Genet. 75 (5), 927-928 (2004)  
Tsutsumi, S., et.al., Am. J. Hum. Genet. 74 (6), 1255-1261 (2004)

#### **ANO5 Antibody (C-term) - Citations**

- [A novel ANO5 splicing variant in a LGMD2L patient leads to production of a truncated aggregation-prone Ano5 peptide.](#)
- [Genetic disruption of Ano5 in mice does not recapitulate human ANO5-deficient muscular dystrophy.](#)