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TRPC3 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11278

Specification

TRPC3 Antibody (C-Terminus) - Product Information

Application	**IF, WB, IHC**
Primary Accession	Q13507
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**96kDa KDa**

TRPC3 Antibody (C-Terminus) - Additional Information

Gene ID 7222

Other Names
Short transient receptor potential channel 3, TrpC3, Transient receptor protein 3, TRP-3, hTrp-3, hTrp3, TRPC3, TRP3

Target/Specificity
14 amino acid peptide from near the carboxy terminus of human TRPC3

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

Precautions
TRPC3 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

TRPC3 Antibody (C-Terminus) - Protein Information

Name TRPC3

Synonyms TRP3

Function
Forms a receptor-activated non-selective calcium permeant cation channel (PubMed:8646775, PubMed:9417057, PubMed:9930701, PubMed:20095964, PubMed:30139744, PubMed:29726814, PubMed:35051376). May be operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors (PubMed:<a

href="http://www.uniprot.org/citations/8646775" target="_blank">8646775).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Expressed predominantly in brain and at much lower levels in ovary, colon, small intestine, lung, prostate, placenta and testis

TRPC3 Antibody (C-Terminus) - Protocols

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

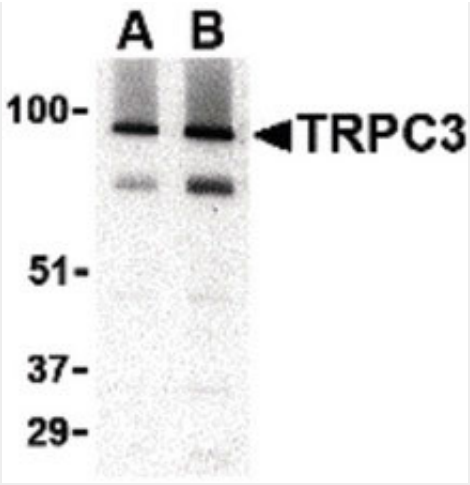
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRPC3 Antibody (C-Terminus) - Images

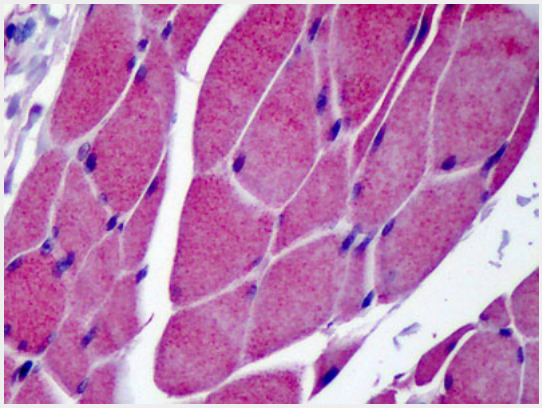


Immunofluorescence of TRPC3 in Mouse Heart cells with TRPC3 antibody at 20 ug/ml.

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Western blot of TRPC3 in human brain tissue lysate with TRPC3 antibody at (A) 1 and (B) 2 ug/ml.



Anti-TRPC3 antibody IHC of human skeletal muscle.

TRPC3 Antibody (C-Terminus) - Background

Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C, and by inositol 1,4,5- triphosphate receptors (ITPR) with bound IP3. May also be activated by internal calcium store depletion.

TRPC3 Antibody (C-Terminus) - References

Zhu X.,et al.Cell 85:661-671(1996).
Xu X.-Z.S.,et al.Cell 89:1155-1164(1997).
Yildirim E.,et al.Proc. Natl. Acad. Sci. U.S.A. 102:3307-3311(2005).
Yamazaki D.,et al.Submitted (MAR-2006) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).