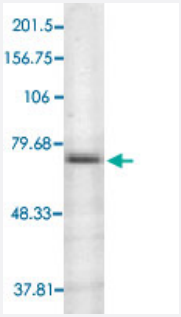
Trpv3 monoclonal antibody, clone S15-4

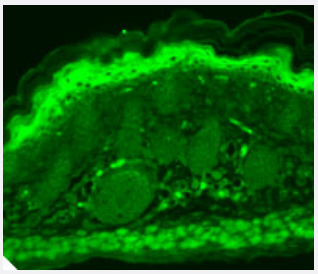
Catalog # MAB6666 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of human cell line mixed lysate with Trpv3 monoclonal antibody, clone S15-4 (Cat # MAB6666).



Immunofluorescence

Immunofluorescence staining in human hippocampus with Trpv3 monoclonal antibody, clone S15-4 (Cat # MAB6666).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of Trpv3.
Immunogen	A synthetic peptide corresponding to amino acids 458-474 (C-terminus) of rat Trpv3.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	Detects ~70KDa.
Form	Liquid
Isotype	IgG2a

Recommend Usage	Western Blot (1-10 ug/mL) Immunohistochemistry (0.1-1.0 ug/mL) Immunocytochemistry (0.1-1.0 ug/mL) Immunofluorescence (1.0-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of human cell line mixed lysate with Trpv3 monoclonal antibody, clone S15-4 (Cat # MAB6666).

- Immunocytochemistry

- Immunofluorescence

  Immunofluorescence staining in human hippocampus with Trpv3 monoclonal antibody, clone S15-4 (Cat # MAB6666).

- Immunoprecipitation

Gene Info — Trpv3

Entrez GeneID	497948
Protein Accession#	NP_001020928
Gene Name	Trpv3
Gene Alias	-
Gene Description	transient receptor potential cation channel, subfamily V, member 3
Gene Ontology	Hyperlink
Gene Summary	subfamily V
Other Designations	heat sensitive channel TRPV3

Publication Reference

- Spontaneous Calcium Transients in Human Neural Progenitor Cells Mediated by Transient Receptor Potential Channels.

  Morgan PJ, Hubner R, Rolfs A, Frech MJ.

  Stem Cells and Development 2013 Sep; 22(18):2477.

  Application: WB-Ce, Human, Neural progenitor cells

- Congenital long QT syndrome.

  Crotti L, Celano G, Dagradi F, Schwartz PJ.

  Orphanet Journal of Rare Diseases 2008 Jul; 3:18.

- Ca(V)1.2 calcium channel dysfunction causes a multisystem disorder including arrhythmia and autism.

  Splawski I, Timothy KW, Sharpe LM, Decher N, Kumar P, Bloise R, Napolitano C, Schwartz PJ, Joseph RM, Condouris K, Tager-Flusberg H, Priori SG, Sanguinetti MC, Keating MT.

  Cell 2004 Oct; 119(1):19.