

TRPA1 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant TRPA1.

Catalog # AT4367a

Product Information

Application	WB
Primary Accession	O75762
Other Accession	NM_007332
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6G8
Calculated MW	127501

Additional Information

Gene ID	8989
Other Names	Transient receptor potential cation channel subfamily A member 1, Ankyrin-like with transmembrane domains protein 1, Transformation-sensitive protein p120, TRPA1, ANKTM1
Target/Specificity	TRPA1 (NP_015628, 1033 a.a. ~ 1117 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TRPA1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

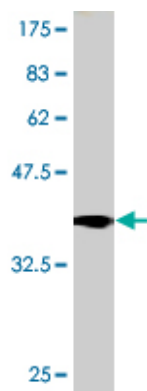
The structure of the protein encoded by this gene is highly related to both the protein ankyrin and transmembrane proteins. The specific function of this protein has not yet been determined; however, studies indicate the function may involve a role in signal transduction and growth control.

References

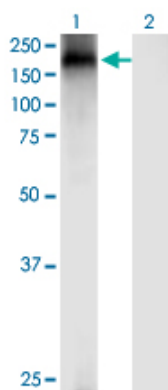
A gain-of-function mutation in TRPA1 causes familial episodic pain syndrome. Kremeyer B, et al. Neuron, 2010 Jun 10. PMID 20547126. Dynamic changes in the TRPA1 selectivity filter lead to progressive but

reversible pore dilation. Banke TG, et al. Am J Physiol Cell Physiol, 2010 Jun. PMID 20457836. TRPA1 ion channels: a gateway to airway irritation and reflex responses induced by inhaled oxidants. Lee LY. J Physiol, 2010 Mar 1. PMID 20194132. [Activation and regulation of nociceptive transient receptor potential (TRP) channels, TRPV1 and TRPA1] Tominaga M. Yakugaku Zasshi, 2010 Mar. PMID 20190512. TRPA1 expression in human lingual nerve neuromas in patients with and without symptoms of dysaesthesia. Morgan CR, et al. Neurosci Lett, 2009 Nov 13. PMID 19715741.

Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.09 KDa) .



Western Blot analysis of TRPA1 expression in transfected 293T cell line by TRPA1 monoclonal antibody (M03), clone 6G8.

Lane 1: TRPA1 transfected lysate (Predicted MW: 123.09 KDa).

Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.