

TRPA1 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a partial recombinant TRPA1.****Catalog # AT4367a****Specification**

TRPA1 Antibody (monoclonal) (M03) - Product Information

Application	WB
Primary Accession	O75762
Other Accession	NM_007332
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	127501

TRPA1 Antibody (monoclonal) (M03) - 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.

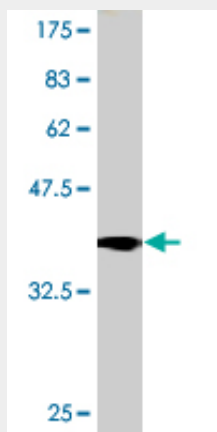
TRPA1 Antibody (monoclonal) (M03) - Protocols

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

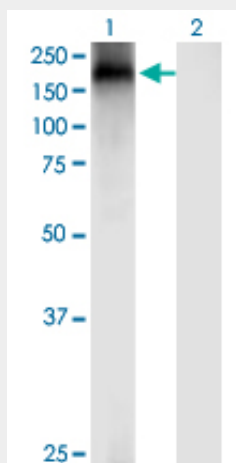
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TRPA1 Antibody (monoclonal) (M03) - 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.

TRPA1 Antibody (monoclonal) (M03) - 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.

TRPA1 Antibody (monoclonal) (M03) - 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.