

## Datasheet

### TRPA1 polyclonal antibody

**Catalog Number:** PAB11992

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic peptide of TRPA1.

**Immunogen:** A synthetic peptide corresponding to amino acids 1-100 of human TRPA1.

**Host:** Rabbit

**Reactivity:** Human, Mouse

**Applications:** IHC, IHC-P, WB-Ti  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Purification:** Immunoaffinity purification

**Recommend Usage:** Immunohistochemistry (0.5-1 ug/mL)  
Western Blot (2 ug/mL)  
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:250)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.05% sodium azide)

**Storage Instruction:** Store at 4°C for short term. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 8989

**Gene Symbol:** TRPA1

**Gene Alias:** ANKTM1

**Gene Summary:** 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. [provided by RefSeq]

#### References:

1. Activation of the chemosensing transient receptor potential channel A1 (TRPA1) by alkylating agents. Stenger B, Zehfuss F, Muckter H, Schmidt A, Balszuweit F, Schafer E, Buch T, Gudermann T, Thiermann H, Steinritz D Arch Toxicol. 2014 Nov 14.
2. Bioimaging application of highly luminescent silica-coated ZnO-nanoparticle quantum dots with biotin. Matsuyama K, Ihsan N, Irie K, Mishima K, Okuyama T, Muto H. J Colloid Interface Sci. 2013 Jun 1;399:19-25. doi: 10.1016/j.jcis.2013.02.047
3. Nociceptor and hair cell transducer properties of TRPA1, a channel for pain and hearing. Nagata K, Duggan A, Kumar G, Garcia-Anoveros J. J Neurosci. 2005 Apr 20;25(16):4052-61.