

TRPA1 Polyclonal Antibody

Catalog Number OST00063W

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Xenopus
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (IHC)	1:300-1:2,000
Type	Antibody	Western Blot (WB)	1:300-1:2,000
Immunogen	A synthetic peptide from aa region 250-300 of Xenopus TRPN1 conjugated to an immunogenic carrier protein was used as the antigen		
Conjugate	Unconjugated		
Form	Lyophilized		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

Reconstitute with 100 µL of distilled water.

Background/Target Information

TRPA1 is a TRP-related channel that responds to cold temperatures and pungent compounds and plays a role in both nociceptor and hair cell transduction. TRPA1 is a transformation -associated gene product in lung epithelia, whereas its protein distribution is primarily restricted to sensory neurons. Blocking TRPA1 may be a therapeutic target for treating cold hyperalgesia caused by inflammation and nerve damage. It is now known that TRPA1 protein is also widely expressed outside of the CNS and is dys-regulated during oncogenic transformation. The structure of TRPA1 is highly related to both the protein ankyrin and transmembrane proteins. The specific function of TRPA1 has not yet been determined; however, studies indicate the function may involve a role in signal transduction and growth control.

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