

#M077162



## TRPA1 Antibody

- 50ul
- 100 uL

<b>Order</b>	021-34695924 orders@ab-mart.com
<b>Support</b>	400-6123-828 support1@ab-mart.com
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### Description:

Receptor-activated non-selective cation channel involved in pain detection and possibly also in cold perception, oxygen concentration perception, cough, itch, and inner ear function. Shows 8-fold preference for divalent over monovalent cations. Has a central role in the pain response to endogenous inflammatory mediators and to a diverse array of irritants, such as allylthiocyanate (AITC) from mustard oil or wasabi, cinnamaldehyde, diallyl disulfide (DADS) from garlic, and acrolein, an irritant from tears gas and vehicle exhaust fumes. Acts also as an ionotropic cannabinoid receptor by being activated by delta(9)-tetrahydrocannabinol (THC), the psychoactive component of marijuana. Is activated by a large variety of structurally unrelated electrophilic and non-electrophilic chemical compounds. Electrophilic ligands activate TRPA1 by interacting with critical N-terminal Cys residues in a covalent manner, whereas mechanisms of non-electrophilic ligands are not well determined. May be a component for the mechanosensitive transduction channel of hair cells in inner ear, thereby participating in the perception of sounds. Probably operated by a phosphatidylinositol second messenger system (By similarity).

**Uniprot:** Q75762

### Alternative Names:

ANKTM 1; ANKTM1; Ankyrin-like with transmembrane domains protein 1; Transformation sensitive protein p120; Transformation-sensitive protein p120; Transient receptor potential cation channel subfamily A member 1; TRPA 1; Trpa1; TRPA1\_HUMAN;

**Specificity:** TRPA 1 Antibody detects endogenous levels of total TRPA 1.

**Reactivity:** Mouse, Rat

**Source:** Mouse

**Mol.Wt.:** 128kD;

**Storage Condition:** Store at -20 °C. Stable for 12 months from date of receipt.

**Application:** WB 1:1000-1:2000; IHC/IF 1:100-1:1000; IP 1:50-1:100;