

## TRPM5 antibody

### Product Information

Catalog No.:	FNab09021
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

Voltage-modulated Ca(2+)-activated, monovalent cation channel(VCAM) that mediates a transient membrane depolarization and plays a central role in taste transduction. Monovalent-specific, non-selective cation channel that mediates the transport of Na(+), K(+) and Cs(+) ions equally well. Activated directly by increases in intracellular Ca(2+), but is impermeable to it. Gating is voltage-dependent and displays rapid activation and deactivation kinetics upon channel stimulation even during sustained elevations in Ca(2+). Also activated by a fast intracellular Ca(2+) increase in response to inositol 1,4,5-triphosphate-producing receptor agonists. The channel is blocked by extracellular acidification. External acidification has 2 effects, a fast reversible block of the current and a slower irreversible enhancement of current inactivation. Is a highly temperature-sensitive, heat activated channel showing a steep increase of inward currents at temperatures between 15 and 35 degrees Celsius. Heat activation is due to a shift of the voltage-dependent activation curve to negative potentials. Activated by arachidonic acid in vitro. May be involved in perception of bitter, sweet and umami tastes. May also be involved in sensing semiochemicals.

### Immunogen information

Immunogen:	transient receptor potential cation channel, subfamily M, member 5
Synonyms:	Transient receptor potential cation channel subfamily M member 5 Long transient receptor potential channel 5 (LTrpC-5, LTrpC5) MLSN1- and TRP-related gene 1 protein TRPM5 LTRPC5 MTR1
Observed MW:	98 kDa

Uniprot ID : Q9NZQ8

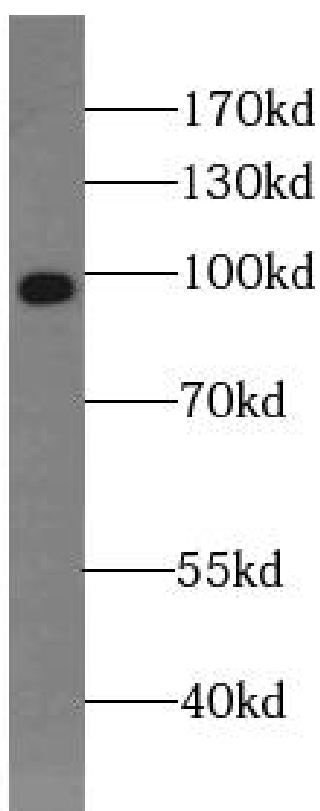
### Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB, IF

Recommended dilution: WB: 1:500-1:5000; IP: 1:200-1:1000; IF: N/A

Image:



mouse colon tissue were subjected to SDS PAGE followed by western blot with FNab09021(TRPM5 antibody) at dilution of 1:1000