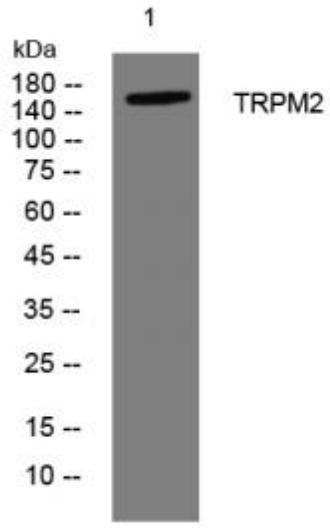
TRPM2 mouse mAb

Catalog No	YP-mAb-08469
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	TRPM2 EREG1 KNP3 LTRPC2 TRPC7
Protein Name	TRPM2
Immunogen	Synthesized peptide derived from human TRPM2 AA range: 41-91
Specificity	This antibody detects endogenous levels of TRPM2 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1：500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Calculated Molecular Weight	165kD
Observed Band	
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Perikaryon . Cell projection . Cytoplasmic vesicle . Lysosome . Detected at the cell membrane and in intracellular vesicles in cortical neurons. Detected on neuronal cell bodies and neurites (By similarity). Detected on the cell membrane in polymorphonuclear neutrophils. Detected on cytoplasmic vesicles and lysosomes in immature bone marrow dendritic cells (By similarity). .; [Isoform 1]: Cell membrane ; Multi-pass membrane protein .; [Isoform 2]: Cell membrane ; Multi-pass membrane protein .; [Isoform 3]: Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Highly expressed in brain and peripheral blood cells, such as neutrophils. Also detected in bone marrow, spleen, heart, liver and lung. Isoform 2 is found in neutrophil granulocytes.
Function	catalytic activity:ADP-ribose + H(2)O = AMP + D-ribose 5-phosphate.,function:Nonselective, voltage-independent cation channel mediating sodium and calcium ion influx in response to oxidative stress. Extracellular calcium passes through the channel and acts from the intracellular side as a positive regulator in channel activation. Activated by ADP-ribose, nicotinamide adenine dinucleotide (NAD(+)), reactive nitrogen species and arachidonic acid. Inactivated by intracellular ATP. Confers susceptibility to cell death following oxidative stress. Isoform 2 does not seem to be regulated by

	ADPR. Has ADP-ribose pyrophosphatase activity.,induction:NAD(+).,similarity:Belongs to the transient receptor family. LTrpC subfamily.,similarity:Contains 1 nudix hydrolase domain.,subunit:Isoform 1 can interact with isoform 3. This interaction decreases calcium influx through isoform 1 and suppresses suscep
Background	The protein encoded by this gene forms a tetrameric cation channel that is permeable to calcium, sodium, and potassium and is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms. Additional transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2016],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night