

TRPM3 Rabbit pAb

Catalog Number: bs-9046R

Target Protein: TRPM3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:50-200)

Reactivity: Mouse, Rat (predicted:Human, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 197 kDa

Entrez Gene: 80036

Swiss Prot: Q9HCF6

Source: KLH conjugated synthetic peptide derived from human TRPM3: 1121-1260/1732.

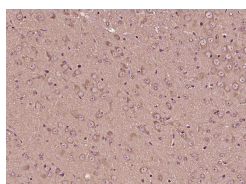
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

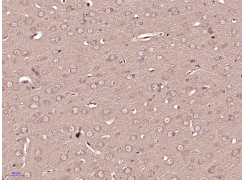
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The product of this gene belongs to the family of transient receptor potential (TRP) channels. TRP channels are cation-selective channels important for cellular calcium signaling and homeostasis. The protein encoded by this gene mediates calcium entry, and this entry is potentiated by calcium store depletion. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008].

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRPM3) Polyclonal Antibody, Unconjugated (bs-9046R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRPM3) Polyclonal Antibody, Unconjugated (bs-9046R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=12.121] Man-Xiu Xie. et al. ATF4 selectively regulates heat nociception and contributes to kinesin-mediated TRPM3 trafficking. Nat Commun. 2021 Mar;12(1):1-18 WB,IHC ; Mouse . 33658516

[IF=6] Yuefang Zhou. et al. A Cataract-Causing Mutation in the TRPM3 Cation Channel Disrupts Calcium Dynamics in the Lens. CELLS-BASEL. 2024 Jan;13(3):257 IF ; Mouse . 38334649

[IF=2.388] Kanewska A et al. Developmental change in the gene expression of transient receptor potential melastatin channel 3 (TRPM3) in murine lacrimal gland. Ann Anat. 2020 Sep;231:151551. IHC ; Mouse . 32512204