bs-9046R **[Primary Antibody]**

TRPM3 Rabbit pAb

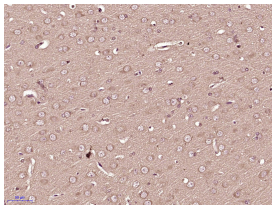
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

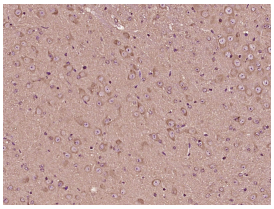
Host: Rabbit **Isotype:** IgG
Clonality: Polyclonal
GeneID: 80036 **SWISS:** Q9HCF6
Target: TRPM3
Immunogen: KLH conjugated synthetic peptide derived from human TRPM3: 1121-1260/1732.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 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].

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Dog, Horse)
Predicted MW.: 197 kDa
Subcellular Location: Cell membrane

VALIDATION IMAGES



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) instructionsand DAB staining.



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) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=15.7]** Xie Man-Xiu. et al. Histone lactylation regulates DOCK4 to control heat nociception and supports Dynein-mediated Nav1.7 trafficking. NAT COMMUN. 2025 Aug;16(1):1-26 WB ;Mouse. 40759894
- **[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=8.3]** GaoYiting. et al. Copine-6 is a TRPM3 escort protein controlling the sensitivity of sensory neurons to noxious heat. EMBO J. 2025 六月 19 WB ;Mouse. 40537608
- **[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