bs-1824R

[Primary Antibody]

Mitofilin Rabbit pAb



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– DATASHEET –––––		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal	-	IHC-P (1:100-500)
GenelD: 10989	SWISS: Q16891	IFC-F (1:100-500) IF (1:100-500)
Target: Mitofilin		ICC/IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human Mitofilin: 241-340/758.		Reactivity: Human, Mouse, Rat (predicted: Cow, Dog)
Purification: affinity purified by I	Protein A	
Concentration: 1mg/ml		Bredicted
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.		Subcellular Location: Cell membrane, Cytoplasm
Background: Mitochondria are th essential metabolic organelles, mitocho metabolic states ar common structural mitochondrial arch the amount and sha mitochondria from of the human heart one of the most abu play an important r Mitofilin was origin because of its high	the center of cellular energy production and creactions. As double membrane-bound ondria from different species, tissues, and e highly polymorphic in nature, yet exhibit features. The ultrastructural variations in itecture occur mainly due to the differences in ape of cristae. Abundant cristae are found in tissues where energy demand is high. Analysis mitochondrial proteome shows that mitofilin i undant mitochondrial proteins. It appears to ole in the maintenance of cristae morphology. ally described as heart muscle protein (HMP) expression in the heart.	s

VALIDATION IMAGES



Sample: A673(Human) Cell Lysate at 30 ug Primary: Anti-Mitofilin (bs-1824R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD Observed band size: 68 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (Mitofilin) Polyclonal Antibody, Unconjugated (bs-1824R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); 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 (Mitofilin) Polyclonal Antibody, Unconjugated (bs-1824R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Human HepG2 cells fixed with 3.7%



Human HepG2 cells fixed with 3.7%

Formaldehyde in medium, blocking performed with 10% NGS in 1x PBS buffer + 0.1% Tween20. Incubated with Anti-Mitofilin/IMMT Polyclonal Antibody (bs-1824R) at a 1:10 dilution for 1hr at RT, followed by Anti-Rabbit secondary, Cy3 conjugate at a 1:300 dilution incubated at RT for 1hr. This image was kindly provided by an enduser. Formaldehyde in medium, blocking performed with 10% NGS in 1x PBS buffer + 0.1% Tween20. Incubated with Anti-Mitofilin/IMMT Polyclonal Antibody (bs-1824R) at a 1:10 dilution for 1hr at RT, followed by Anti-Rabbit secondary, Cy3 conjugate at a 1:300 dilution incubated at RT for 1hr. This image was kindly provided by an enduser.

- SELECTED CITATIONS -

- [IF=7.1] Lei Wang. et al.Adipose-derived stem cells attenuate rheumatoid arthritis by restoring CX3CR1+ synovial lining macrophage barrier.stem cell research & therapy.2025 Mar 5;16(1):111. IF ;MOUSE. 40038808
- [IF=2.752] Yuliang Wen. et al. Changes in the Mitochondrial Dynamics and Functions Together with the mRNA/miRNA Network in the Heart Tissue Contribute to Hypoxia Adaptation in Tibetan Sheep. Animals-Basel. 2022 Jan;12(5):583 IHC ;Sheep. 35268153
- [IF=2.323] Guan Wang. et al. Effects of Aging on Expression of Mic60 and OPA1 and Mitochondrial Morphology in Myocardium of Tibetan Sheep. Animals-Basel. 2020 Nov;10(11):2160 IHC ;Sheep. 33233488