bsm-54144R

[Primary Antibody]

Bioss ANTIBODIES

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

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Recombinant CloneNo.: 9A7

GenelD: 4976 SWISS: O60313

OPA1 Recombinant Rabbit mAb

Target: OPA1

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.02%

Proclin300.

Store at 4°C after thawing. Aliquot store at -20°C. Avoid repeated

freeze / thaw cycles.

Background: OPA1 is a 120kDa protein belonging to the dynamin family. The

OPA1 gene has been localized to 3q29. The gene is targeted to mitochondria and is involved in mitochondrial biogenesis. Defects in OPA1 are a cause of optic atrophy type 1. OPA1 is mostly expressed in retina but can also be expressed in brain, testis, heart

and skeletal muscle.

Applications: WB (1:500-2000)

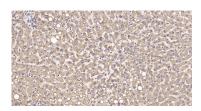
IHC-P (1:100-200) IHC-F (1:100-200) IF (1:100-200)

Reactivity: Human, Mouse, Rat

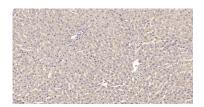
Predicted MW.: 111 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with OPA1 Monoclonal Antibody, Unconjugated (bsm-54144R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with OPA1 Monoclonal Antibody, Unconjugated (bsm-54144R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

- SELECTED CITATIONS -

- [IF=4.3] Shasha Chen. et al. Quercetin alleviates zearalenone-induced apoptosis and necroptosis of porcine renal epithelial cells by inhibiting CaSR/CaMKII signaling pathway. FOOD CHEM TOXICOL. 2023 Nov;:114184 WB; Pig. 37951344
- [IF=3.8] Xinzhang Chen. et al. Selenomethionine Alleviates Kidney Necroptosis and Inflammation by Restoring Lipopolysaccharide-mediated Mitochondrial Dynamics Imbalance via the TLR4/RIPK3/DRP1 Signaling Pathway in Laying Hens. POULTRY SCI. 2024 Oct;:104439 WB; Chicken. 39504830
- [IF=3.8] Liang Yuan. et al.Dihydromyricetin ameliorates lipopolysaccharide–induced hepatic injury in chickens by activating the Nrf2/Keap1 pathway and regulating mitochondrial dynamics..POULTRY SCIENCE.2025 Mar 18;104(5):105034. Western blot; Chicken. 40132312