

bsm-54144R**[Primary Antibody]**

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OPA1 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500) IHC-P (1:100-500) IHC-F (1:400-800) IF (1:50-200) Reactivity: (predicted: Human, Mouse, Rat) Predicted MW.: 111 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Recombinant	CloneNo.: 9A7	
GeneID: 4976	SWISS: O60313	
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.		

— 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