bs-12633R

– DATASHEET –

[Primary Antibody]

SMCR7 Rabbit pAb



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DATASTIC	- 1			
Host: Rabbit		Isotype: IgG	Applications: IHC-P (1:100-500)	
Clonality: Polyclonal			IHC-F (1:100-500) IF (1:100-500)	
GeneID	: 125170	SWISS: Q96C03		
Target	SMCR7			
Immunogen	KLH conjugated syr 201-300/454.			
Purification: affinity purified by Protein A			Reactivity: Mouse (predicted: H Rabbit, Sheep, Cow	Mouse (predicted: Human
Concentration: 1mg/ml				Rabbit, Sheep, Cow, Dog,
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			Horse) Predicted 49 kDa	
Background: This gene encodes an outer mitochondrial membrane protein that functions in the regulation of mitochondrial morphology. It can directly recruit the fission mediator dynamin-related protein 1 (Drp1) to the mitochondrial surface. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]			MW.: Subcellular Location:	Cytoplasm
- 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 (SMCR7) Polyclonal Antibody, Unconjugated (bs-12633R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

- SELECTED CITATIONS ------

- [IF=5.723] Zhou H et al. NR4A1 aggravates the cardiac microvascular ischemia reperfusion injury through suppressing FUNDC1-mediated mitophagy and promoting Mff-required mitochondrial fission by CK2α.Basic Res Cardiol. 2018 May 9;113(4):23. WB ;MOUSE. 29744594
- [IF=5.039] Kang L et al. The mitochondria targeted anti oxidant MitoQ protects against intervertebral disc degeneration by ameliorating mitochondrial dysfunction and redox imbalance. Cell Prolif. 2020 Feb 5:e12779. WB ;Human. 32020711
- [IF=3.3] Xuejing Yang. et al.PRR34-AS1 promotes mitochondrial division and glycolytic reprogramming in hepatocellular carcinoma cells through upregulation of MIEF2.ACTA BIOCHIMICA ET BIOPHYSICA SINICA.2024 May 22;56(11):1604-1617.

IHC ;Human. 10.3724/abbs.2024083

• [IF=3.3] Xuejing Yang. et al.PRR34-AS1 promotes mitochondrial division and glycolytic reprogramming in hepatocellular carcinoma cells through upregulation of MIEF2.ACTA BIOCHIMICA ET BIOPHYSICA SINICA.2024 May 22;56(11):1604-1617. Western blot ;Human. 10.3724/abbs.2024083