bs-20189R

[Primary Antibody]

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MCU Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 90550 **SWISS: Q8NE86**

Target: MCU

Immunogen: KLH conjugated synthetic peptide derived from human MCU:

251-351//351.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS,

. Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: This gene encodes a calcium transporter that localizes to the

mitochondrial inner membrane. The encoded protein interacts with mitochondrial calcium uptake 1. Alternative splicing results in

multiple transcript variants. [provided by RefSeq, Jul 2012]

Applications: WB (1:500-2000)

IHC-P (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500) ICC/IF (1:100-500) **ELISA** (1:5000-10000)

Reactivity: Mouse, Rat

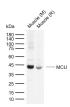
(predicted: Human, Rabbit, Pig, Sheep, Cow, Dog,

Horse)

Predicted 40 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with MCU polyclonal antibody, unconjugated (bs-20189R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- [IF=5.6] Angi Xu. et al. By regulating the IP3R/GRP75/VDAC1 complex to restore mitochondrial dynamic balance, selenomethionine reduces lipopolysaccharide-induced neuronal apoptosis. J CELL PHYSIOL. 2024 Jan;: IF, WB ;Chicken. 38219075
- [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 IF, WB; Pig. 37951344
- [IF=4.2] Min Jiang. et al. Mitochondrial Calcium Uniporter Mediated Regulation of the SIRT3/GSK3β/β Catenin Signaling Pathway in Vascular Remodeling, FASEB J. 2025 Jul;39(13):e70761 WB; Rat. 40622073