bs-4100R

[Primary Antibody]

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DNM1L Rabbit pAb

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 10059 SWISS: 000429

Target: DNM1L

Immunogen: KLH conjugated synthetic peptide derived from human DNM1L:

101-200/763.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

Background: The protein encoded by this gene is a member of the dynamin superfamily of GTPases. Members of the dynamin-related subfamily, including the S. cerevisiae proteins Dnm1 and Vps1, contain the N-terminal tripartite GTPase domain but do not have the pleckstrin homology or proline-rich domains. This protein establishes mitochondrial morphology through a role in distributing mitochondrial tubules throughout the cytoplasm. The gene has 3 alternatively spliced transcripts encoding different isoforms. These transcripts are alternatively polyadenylated. [provided by RefSeq, Jul 2008].

Applications: WB (1:500-2000)

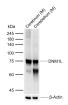
Reactivity: Mouse (predicted: Human,

Rat, Dog, Horse)

Predicted 81 kDa MW.:

Subcellular Location: Cytoplasm

- VALIDATION IMAGES -



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Cerebellum tissue lysates Primary: Anti-DNM1L (bs-4100R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 81 kDa Observed band size: 75 kDa

— SELECTED CITATIONS -

- [IF=13.116] Zhang X et al. Oligodendroglial glycolytic stress triggers inflammasome activation and neuropathology in Alzheimer's diseaseSci Adv.2020 Dec 4;6(49):eabb8680. IF; Mouse. 33277246
- [IF=6.792] Yang Q et al. Hexavalent chromium induces mitochondrial dynamics disorder in rat liver by inhibiting AMPK/PGC-1α signaling pathway. Environ Pollut.2020 Oct;265(Pt A):114855. WB;Rat. 32474337
- [IF=7.1] Shuang-Feng Xu. et al. Astrocytic lactoferrin deficiency augments MPTP-induced dopaminergic neuron loss by disturbing glutamate/calcium and ER-mitochondria signaling. FREE RADICAL BIO MED. 2024 Nov;225:374 WB; Mouse. 39406276
- [IF=5.78] Chen, Zhiquan, et al. "Connexin43 regulates high glucose-induced expression of fibronectin, ICAM-1 and TGFβ1 via Nrf2/ARE pathway in glomerular mesangial cells." Free Radical Biology and Medicine 102 (2017): 77-86. WB

;Mouse. 27840317 • [IF=4.527] Wang S et al. Hydrogen sulfide-induced oxidative stress leads to excessive mitochondrial fission to activate apoptosis in broiler myocardia. Ecotoxicol Environ Saf. 2019 Aug 20;183:109578. WB; broiler. 31442807