

bs-4100R**[Primary Antibody]****DNM1L Rabbit pAb****Bioss**
ANTIBODIES

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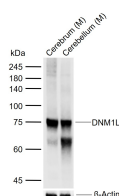
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse
GeneID: 10059	SWISS: O00429	
Target: DNM1L		
Immunogen: KLH conjugated synthetic peptide derived from human DNM1L: 101-200/763.		Predicted MW.: 81 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cytoplasm
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 <i>S. cerevisiae</i> 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].		

— 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 disease *Sci 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-1 α 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 TGF- β 1 via Nrf2/ARE pathway in glomerular mesangial cells." *Free Radical Biology and Medicine* 102 (2017): 77-86. WB

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

;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