

Datasheet for ABIN2173630
anti-CSRP2 antibody (AA 101-200)[2 Images](#)[3 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CSRP2
Binding Specificity:	AA 101-200
Reactivity:	Mouse, Rat, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSRP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DNM1L
Isotype:	IgG
Cross-Reactivity:	Chicken, Mouse, Rat
Predicted Reactivity:	Human,Dog,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CSRP2
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Target Details

Alternative Name:	DLP1 (CSRP2 Products)
Background:	<p>Synonyms: Dynamin-1-like protein, Dnm1p/Vps1p-like protein, DVLP, Dynamin family member proline-rich carboxyl-terminal domain less, Dymple, Dynamin-like protein, Dynamin-like protein 4, Dynamin-like protein IV, HdynIV, Dynamin-related protein 1, DNM1L, DLP1, DRP1</p> <p>Background: Functions in mitochondrial and peroxisomal division. Mediates membrane fission through oligomerization into membrane-associated tubular structures that wrap around the scission site to constrict and sever the mitochondrial membrane through a GTP hydrolysis-dependent mechanism. Through its function in mitochondrial division, ensures the survival of at least some types of postmitotic neurons, including Purkinje cells, by suppressing oxidative damage. Required for normal brain development, including that of cerebellum. Facilitates developmentally regulated apoptosis during neural tube formation. Required for a normal rate of cytochrome c release and caspase activation during apoptosis, this requirement may depend upon the cell type and the physiological apoptotic cues. Also required for mitochondrial fission during mitosis. Required for formation of endocytic vesicles. Proposed to regulate synaptic vesicle membrane dynamics through association with BCL2L1 isoform Bcl-X(L) which stimulates its GTPase activity in synaptic vesicles, the function may require its recruitment by MFF to clathrin-containing vesicles. Required for programmed necrosis execution. Isoform 1 and isoform 4 inhibit peroxisomal division when overexpressed.</p>
Gene ID:	10059
UniProt:	O00429

Application Details

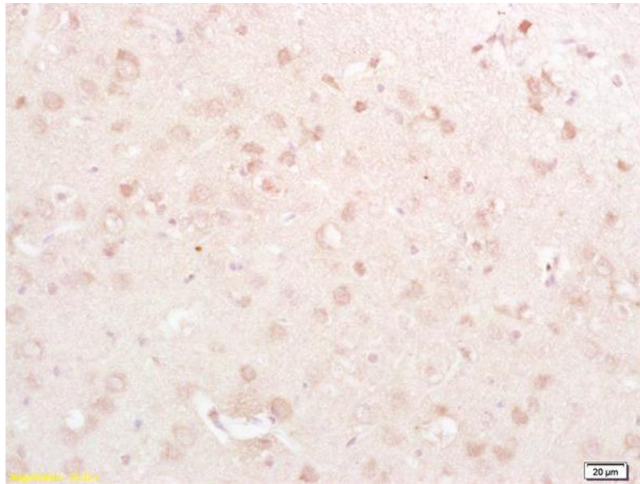
Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

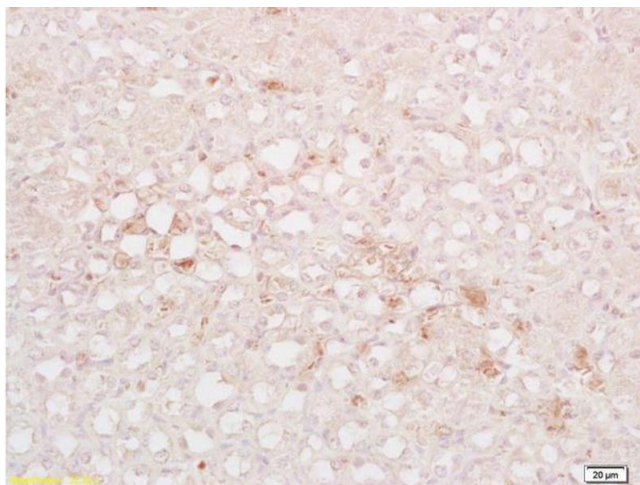
Publications

Product cited in:	<p>Hui, Lu, Han, Zhou, Liu, Li, Jin: "Resveratrol improves mitochondrial function in the remnant kidney from 5/6 nephrectomized rats." in: Acta histochemica, Vol. 119, Issue 4, pp. 392-399, (2017) (PubMed).</p> <p>Ku, Ji, Zhang, Li, Sang: "PM2.5, SO2 and NO2 co-exposure impairs neurobehavior and induces mitochondrial injuries in the mouse brain." in: Chemosphere, Vol. 163, pp. 27-34, (2016) (PubMed).</p> <p>Chen, Xie, Huang, Gong, Zhu, Chen, Huang, Huang: "Connexin43 regulates high glucose-induced expression of fibronectin, ICAM-1 and TGF-β1 via Nrf2/ARE pathway in glomerular mesangial cells." in: Free radical biology & medicine, Vol. 102, pp. 77-86, (2016) (PubMed).</p>
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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti DRP1/DNM1L Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded mouse kidney labeled with Rabbit Anti DRP1/DNM1L Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining