

DRP2 Rabbit pAb

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Catalog # AP55571

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q13474
Reactivity	Rat, Human, Mouse
Predicted	Pig, Dog, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	107962
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DRP2
Epitope Specificity	801-900/957
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm > cytoskeleton.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Members of the dystrophin family of proteins perform a critical role in the maintenance of membrane-associated complexes at points of intercellular contact in vertebrate cells. The protein encoded by this gene is predicted to resemble certain short C-terminal isoforms of dystrophin and dystrophin-related protein 1 (DRP1 or utrophin). DRP2 is expressed principally in the brain and spinal cord. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]

Additional Information

Gene ID	1821
Other Names	Dystrophin-related protein 2, DRP-2, DRP2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

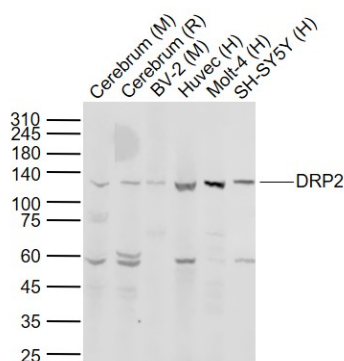
Name	DRP2
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Function	Required for normal myelination and for normal organization of the cytoplasm and the formation of Cajal bands in myelinating Schwann cells. Required for normal PRX location at appositions between the abaxonal surface of the myelin sheath and the Schwann cell plasma membrane. Possibly involved in membrane-cytoskeleton interactions of the central nervous system.
Cellular Location	Postsynaptic density {ECO:0000250 UniProtKB:Q9EPA0}. Cell projection, dendrite {ECO:0000250 UniProtKB:Q9EPA0}. Perikaryon {ECO:0000250 UniProtKB:Q9EPA0}. Cell membrane {ECO:0000250 UniProtKB:Q05AA6}; Peripheral membrane protein {ECO:0000250 UniProtKB:Q05AA6}. Note=Detected in Schwann cells at periaxonal myelin membranes. {ECO:0000250 UniProtKB:Q05AA6}
Tissue Location	Detected in fetal brain.

Background

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Images



Sample:

Lane 1: Cerebrum (Mouse) Tissue Lysate at 40 ug

Lane 2: Cerebrum (Rat) Tissue Lysate at 40 ug

Lane 3: BV-2 (Mouse) Cell Lysate at 30 ug

Lane 4: Huvec (Human) Cell Lysate at 30 ug

Lane 5: Molt-4 (Human) Cell Lysate at 30 ug

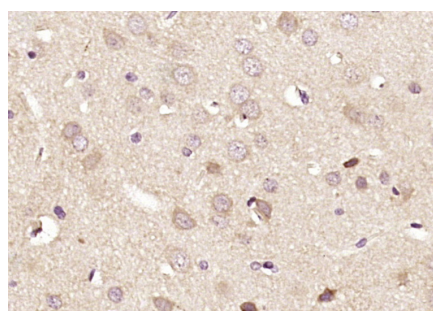
Lane 6: SH-SY5Y (Human) Cell Lysate at 30 ug

Primary: Anti-DRP2 (AP55571) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 110 kD

Observed band size: 120 kD



Paraformaldehyde-fixed, paraffin embedded (rat 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 (DRP2) Polyclonal Antibody, Unconjugated (AP55571) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.