

DRP2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55571**Specification**

DRP2 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q13474
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	107962

DRP2 Polyclonal Antibody - Additional Information**Gene ID** 1821**Other Names**

Dystrophin-related protein 2, DRP-2, DRP2

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

DRP2 Polyclonal Antibody - Protein Information**Name** DRP2**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}

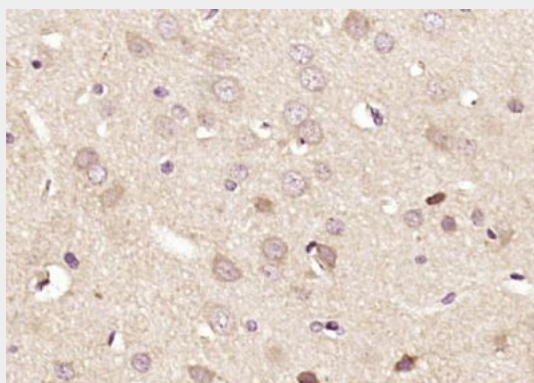
Tissue Location

Detected in fetal brain.

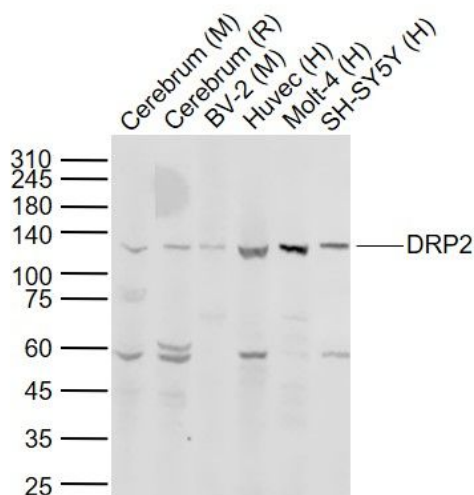
DRP2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DRP2 Polyclonal Antibody - Images

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 (bs-14428R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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 (bs-14428R) at 1/1000 dilution

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

Predicted band size: 110 kD

Observed band size: 120 kD