SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DRP2 antibody

Catalog Number: SL14428R

FOR RESEARCH USE ONLY

[DATASHEET]

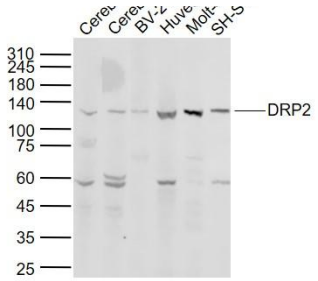
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DRP2
Immunogen:	KLH conjugated synthetic peptide derived from human DRP2: 801-900/957
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, Rat, (predicted: Dog, Pig, Cow, Horse, Sheep)
Predicted MW.:	110kDa
Subcellular Location:	cytoplasmic
Background:	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] **Function:** Possibly involved in membrane-cytoskeleton interactions of the central nervous system. **Subcellular Location:** Cytoplasm > cytoskeleton. **Tissue Specificity:** Brain and spinal cord; very low levels in eye, ovary, epididymis and testis; not in cardiac and skeletal muscle.

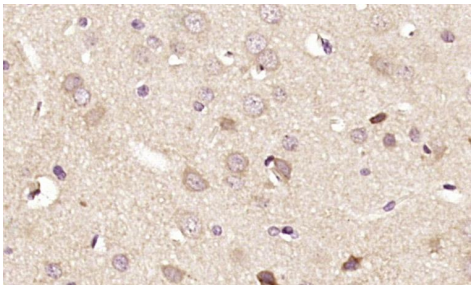
Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Similarity: Contains 2 spectrin repeats. Contains 1 WW domain. Contains 1 ZZ-type zinc finger. **Database links:** **Entrez Gene:** 1821 Human **Entrez Gene:** 537422 Cow **Entrez Gene:** 13497 Mouse **Entrez Gene:** 66027 Rat Omim: 300052 Human **SwissProt:** Q13474 Human **SwissProt:** Q05AA6 Mouse **SwissProt:** Q9EPA0 Rat **Unigene:** 159291 Human **Unigene:** 121662 Mouse **Unigene:** 162341 Rat

[VALIDATION 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 (SL14428R) 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 (SL14428R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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