DRP-2 (P510) polyclonal antibody

Catalog: BCP00670 Host: Rabbit Reactivity: Human

BackGround:

Dystrophin, utrophin and dystrophin-related protein 2 (DRP2) are Actin-binding proteins that are involved in anchoring the cytoskeleton to the plasma membrane. Dystrophin is the protein product of the Duchenne/Becker muscular dystrophy gene. Dystrophin is expressed in muscle and brain tissues, where it is localized to the inner surface of the plasma membrane. Evidence suggests that the upregulation of utrophin (also known as DRP1) can reduce the dystrophic pathology. DRP2 is principally expressed in the brain and spinal cord. Analysis of DRP2 expression in rat brain on SDS-PAGE reveals a characteristic quartet of bands from 100-120 kDa. DRP2 exhibits a punctate staining pattern of rat neuronal dendrites and in neuropil. DRP2 forms a complex with dystroglycan at the surface of myelin-forming Schwann cells and may play a role in the terminal stages of myelinogenesis in the peripheral nervous system. The gene encoding human DRP2 maps to chromosome Xq22.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 62 kDa

Swiss-Prot:

Q16555

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

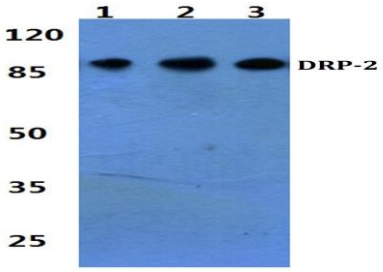
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

DRP-2 (P510) polyclonal antibody detects endogenous levels of DRP-2 protein.

DATA:

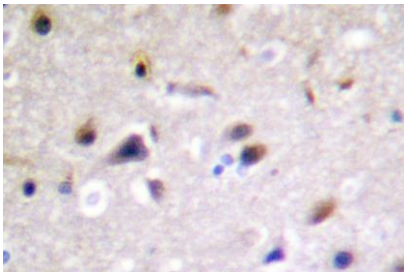


Western blot (WB) analysis of DRP-2 (P510) pAb at 1:500 dilution

Lane1:H1792 whole cell lysate(40ug)

Lane2:SK-OVCAR3 whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of DRP-2 (P510) pAb in paraffin-embedded human brain tissue .

Note:

For research use only, not for use in diagnostic procedure.

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