

AGRN polyclonal antibody

Catalog: BS60094

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Agrin is a molecule that resides in the basal lamina of muscle cells and directs key events in post synaptic differentiation. Most notably, Agrin is responsible for the clustering of acetylcholine receptors (AChRs) on the cell surface and their localization to the neuromuscular junction. Several Agrin variants have been identified which arise from alternative mRNA splicings. Agrin splice forms having inserts at two sites in the carboxy terminus designated "y" and "z" display a high affinity for AChRs, while splice forms lacking these inserts associate with AChRs weakly. Muscle alpha-dystroglycan has been postulated to be the receptor for the clustering activity of agrin; however, this is a point of contention. Tyrosine phosphorylation has been implicated as a required early step in AChR aggregation. Interestingly, a unique receptor tyrosine kinase, designated MuSK, has been discovered that interacts with Agrin and is specifically localized to developing muscle.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 217 kDa

Swiss-Prot:

O00468

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

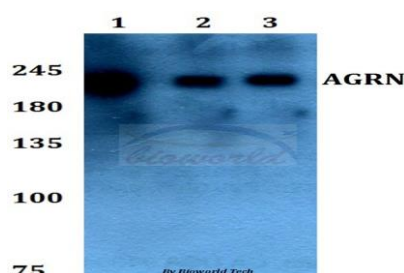
Storage&Stability:

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

Specificity:

AGRN polyclonal antibody detects endogenous levels of AGRN protein.

DATA:

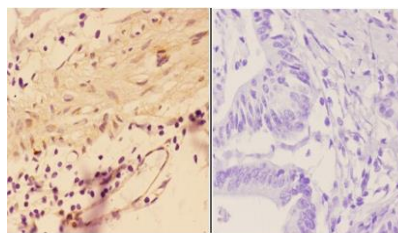


Western blot (WB) analysis of AGRN polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

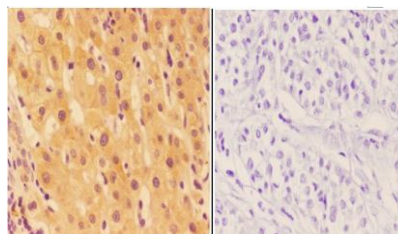
Lane2:NIH-3T3 whole cell lysate

Lane3:PC12 whole cell lysate



BS60094
Lot CN21141

Immunohistochemistry (IHC) analyzes of AGRN pAb in paraffin-embedded human colon carcinoma tissue at 1:50, showing secreted staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of AGRN pAb in paraffin-

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PRODUCT DATA SHEET

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fin-embedded human liver carcinoma tissue at 1:50, showing secreted staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by

avidin-peroxidase.

Note:

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

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