

AGRN polyclonal antibody

Catalog: BS60094-B

Host: Rabbit

Reactivity: Human,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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4.

Molecular Weight:

~ 180 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: 1:2000~1:5000

IHC: 1:50~1:100

Storage&Stability:

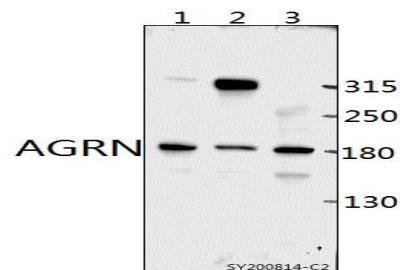
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

AGRN polyclonal antibody detects endogenous levels of AGRN protein.

DATA:

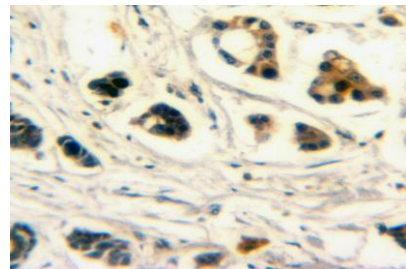


Western blot (WB) analysis of AGRN polyclonal antibody at 1:2000 dilution

Lane1:PC12 whole cell lysate(40ug)

Lane2:U-87MG whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using AGRN antibody at dilution of 1:20 (x40 lens).

Note:

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

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