



Caspr2 Polyclonal Antibody

Catalog: BS65669

Host: Rabbit

Reactivity: Human,Rat,

BackGround:

CASPR is a transmembrane glycoprotein of the neurexin superfamily that is highly enriched in regions of myelinated axons. The axons of myelinated nerves in the adult nervous system possess specialized subcellular structures essential for efficient and rapid action potential propagation. CASPR and the closely related molecule CASPR2, a mammalian homolog of *Drosophila* Neuexin IV (Nrx-IV), demarcate distinct subdomains in myelinated axons. While CASPR is present at the paranodal junctions, CASPR2 is precisely colocalized with Shaker-like K⁺ channels in the juxtaparanodal region. CASPR2 specifically associates with Kv1.1, Kv1.2, and their Kvbeta2 subunit. CASPR family members may play a role in the local differentiation of the axon into distinct functional subdomains.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

145kD

Swiss-Prot:

Q9UHC6

Purification&Purity:

affinity purified by Protein A

Applications:

Flow-Cyt=1ug/Test

Storage&Stability:

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

Specificity:

Caspr2 Polyclonal Antibody detects endogenous levels of Caspr2 protein.

DATA:

Note:

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

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