

## PLXNA4 polyclonal antibody

Catalog: BS60789

Host: Rabbit

Reactivity: Mouse, Rat

### BackGround:

Plexin-A4, also known as PLXNA4 or FAYV2820, is a 1,894 amino acid singlepass type I membrane protein that contains one sema domain, three PSI domains and four IPT/TIG domains. Belonging to a large family of semaphorin (SEMA) receptors, plexin-A4 forms a complex with neuropilin and, once complexed, can propagate SEMA3A-induced inhibitory signals into neurons and cells, possibly playing a role in early nerve development. Four isoforms of plexin-A4 exist due to alternative splicing events. The gene encoding plexin-A4 maps to human chromosome 7, which houses over 1,000 genes and comprises

nearly 5% of the human genome. Defects in some of the genes localized to chromosome 7 have been linked to osteogenesis imperfecta, Williams-Beuren syndrome, Pendred syndrome, lissencephaly, citrullinemia and Shwachman-Diamond syndrome.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 212 kDa

### Swiss-Prot:

Q9HCM2

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

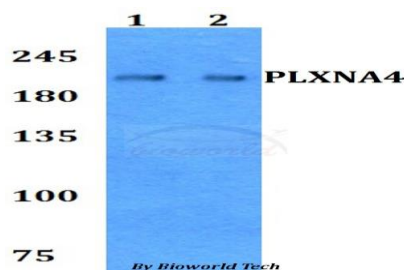
### Storage&Stability:

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

### Specificity:

PLXNA4 polyclonal antibody detects endogenous levels of PLXNA4 protein.

### DATA:



Western blot (WB) analysis of PLXNA4 polyclonal antibody at 1:500 dilution

Lane1:sp2/0 whole cell lysate

Lane2:PC12 whole cell lysate

### Note:

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

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