

CD171/N-CAML1 polyclonal antibody

Catalog: BCP00404

Host: Rabbit

Reactivity: Human

BackGround:

Neural cell adhesion molecule L1 (NCAM-L1/L1CAM) is a single pass transmembrane glycoprotein member of the immunoglobulin superfamily, containing six amino-terminal extracellular Ig-like domains followed by five fibronectin type-III domains. NCAM-L1 is mainly expressed in the brain, and plays an important role in the developing nervous system, with involvement in neurite fasciculation and outgrowth, myelination, neuronal migration, and neuronal cell adhesion. Mutations in the NCAM-L1 gene cause varying degrees of neurological disease including X-linked hydrocephalus, MASA syndrome, spastic paraplegia type 1, and X-linked corpus callosum agenesis, together known as L1 syndrome. Apart from the nervous system, NCAM-L1 is overexpressed in many cancers and supports a poor prognosis by facilitating aggressive tumor growth, metastasis, and chemoresistance.

Product:

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

Molecular Weight:

~ 200 kDa

Swiss-Prot:

P32004

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: 1:1000~1:2000

IP 1:50 - 1:200

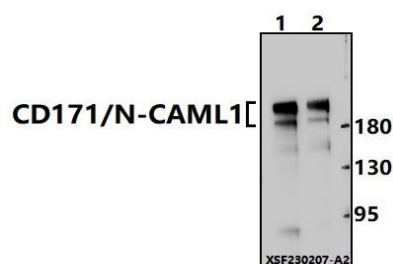
Storage&Stability:

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

term. Avoid freeze-thaw cycles.

Specificity:

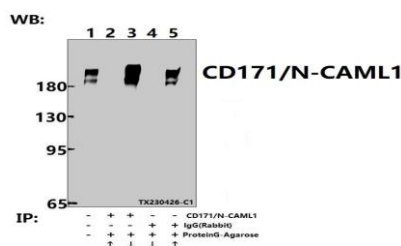
CD171/N-CAML1 polyclonal antibody detects endogenous levels of CD171/N-CAML1 protein.

DATA:

Western blot (WB) analysis of CD171/N-CAML1 polyclonal antibody at 1:1000 dilution

Lane1:MCF-7 whole cell lysate(30ug)

Lane2:SGC7901 cell membrane lysate(24ug)



Immunoprecipitation of SGC7901 cell lysates using CD171/N-CAML1 pAb (Sepharose Bead Conjugate)#BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane 4 and lane 5). Lane 1 is 30% input. The western blot was probed using CD171/N-CAML1 pAb.

Note:

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