

CD109 polyclonal antibody

Catalog: NCP0172P

Host: Rabbit

Reactivity: Human

BackGround:

CD109 is a glycosylphosphatidylinositol (GPI)-linked glycoprotein that belongs to the alpha2-macroglobulin family of thioester containing proteins. CD109 is associated with TGF-beta receptor I (TbRI) and inhibits TGF-beta signaling. Cleavage of CD109 at its Furin cleavage site results in the release of its large amino-terminal domain, which then binds to the TGF-beta receptor I to inhibit TGF-beta signaling. CD109 is expressed on a subset of CD34+ bone marrow cells and mesenchymal stem cells, activated platelets, activated T cells, endothelial cells, and a wide variety of tumors. Elevated CD109 expression has been considered a diagnostic/prognostic marker for several types of cancers.

Product:

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

Molecular Weight:

~ 180 kDa

Swiss-Prot:

Q6YHK3

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

IF 1:50~1:200

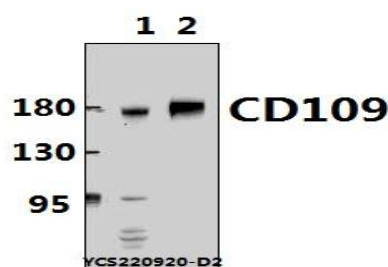
Storage&Stability:

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

Specificity:

CD109 polyclonal antibody detects endogenous levels of CD109 protein.

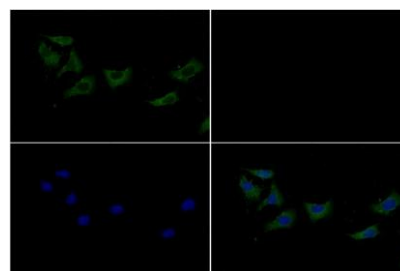
DATA:



Western blot (WB) analysis of CD109 polyclonal antibody at 1:1000 dilution

Lane1:A549 cell membrane lysate(24ug)

Lane2:A375 whole cell lysate(24ug)



Immunofluorescence analysis of A549 cells using CD109 pAb at dilution of 1:200.

Note:

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

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