

CD39 polyclonal antibody

Catalog: BS90239

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

CD39, also known as ectonucleoside triphosphate diphosphohydrolase 1 (ENP1), is an integral membrane glycoprotein that acts as an extracellular nucleotide-hydrolyzing enzyme. CD39 inhibits ADP-induced platelet aggregation by hydrolyzing ADP to AMP and ultimately generating adenosine. Intracellular CD39 undergoes glycosylation at 6 N-glycosylation sites and translocates to the membrane in order to be an active enzyme. Alternative splicing gives rise to three CD39 isoforms, vascular, placenta I and placenta II. The placenta I isoform differs at the amino terminus whereas the placenta II isoform is missing amino acids 300-510 at the C-terminus. CD39 is expressed in vascular tissues including placenta, lung, skeletal muscle and kidney, as well as endothelium, smooth muscle, cardiac cells, lymphocytes (such as activated B cells) activated NK cells, macrophages, dendritic cells and platelets. CD39 may be used as an anti-thrombic agent for pre-treating patients at risk for coronary artery occlusion and thrombic stroke.

Product:

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

Molecular Weight:

70 kDa

Swiss-Prot:

P49961(Human) P55772(Mouse) P97687(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:1,000

IHC:1:50-1:200

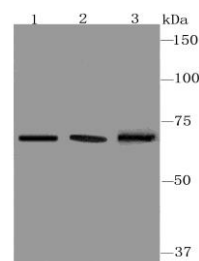
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

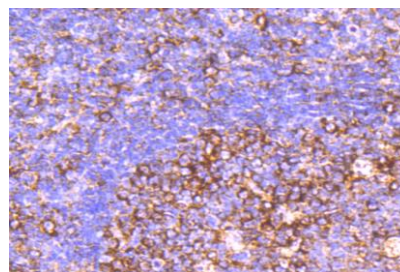
Specificity:

CD39 polyclonal antibody detects endogenous levels of CD39 protein.

DATA:



Western blot analysis of CD39 on different cell lysate using anti-CD39 antibody at 1/1,000 dilution. Positive control: Lane1: Human spleen
Lane2: Mouse placenta Lane3: Mouse spleen



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD39 antibody. Counter stained with hematoxylin.

Note:

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

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