Product Datasheet

CD39 Rabbit mAb

Catalog No: #49579

Package Size: #49579-1 50ul #49579-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

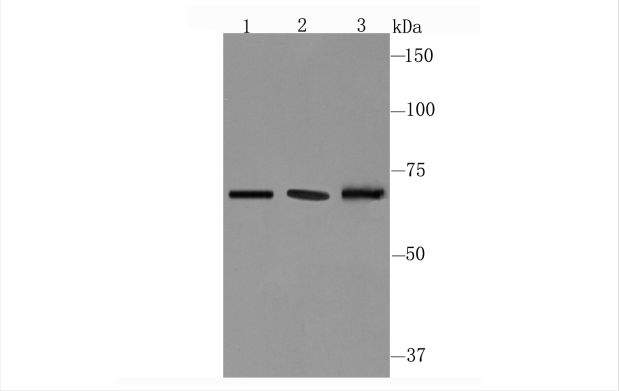
Description

Product Name	CD39 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA90-36
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	ATPDase antibody CD 39 antibody CD39 antibody CD39 antigen antibody DKFZp686D194 antibody DKFZp686I093 antibody Ecto apyrase antibody Ecto ATP diphosphohydrolase antibody Ecto-apyrase antibody Ecto-ATP diphosphohydrolase 1 antibody Ecto-ATPase 1 antibody Ecto-ATPDase 1 antibody Ectonucleoside triphosphate diphosphohydrolase 1 antibody ENTP1_HUMAN antibody ENTPD 1 antibody ENTPD1 antibody FLJ40921 antibody FLJ40959 antibody Lymphoid cell activation antigen antibody NTPDase 1 antibody NTPDase1 antibody SPG64 antibody
Accession No.	Swiss-Prot#:P49961
Uniprot	P49961
GeneID	953;
Calculated MW	70 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

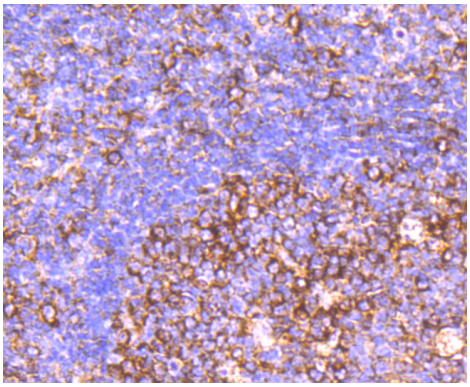
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200

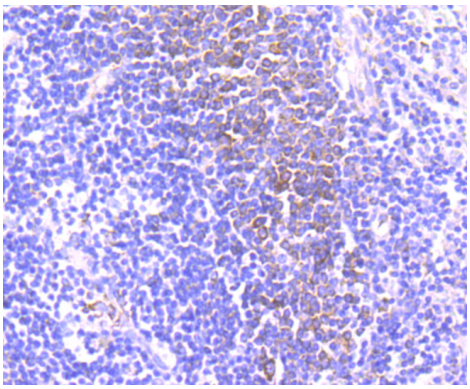
Images



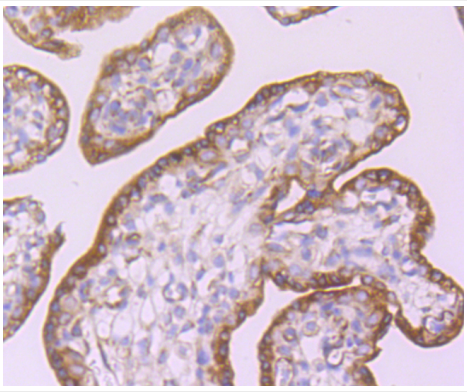
Western blot analysis of CD39 on different cell lysate using anti-CD39 antibody at 1/1,000 dilution.
Positive controlΩ½oΩ½
Lane1: Human spleen
Lane2: Mouse placenta
Lane3: Mouse spleen



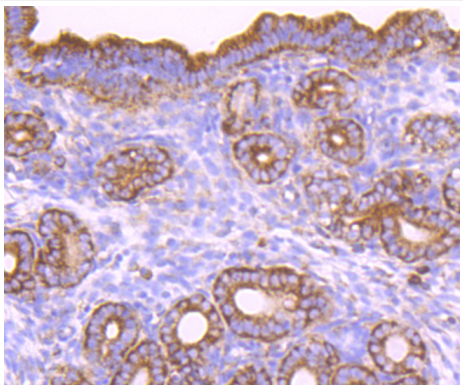
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD39 antibody. Counter stained with hematoxylin.



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



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



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

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, dendridic 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.

References

Note: This product is for in vitro research use only