

## Anti-CD39 Antibody (8G885)

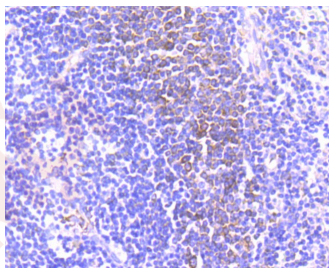
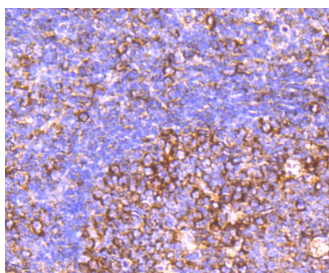
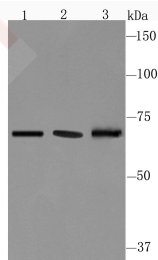
### Product Details

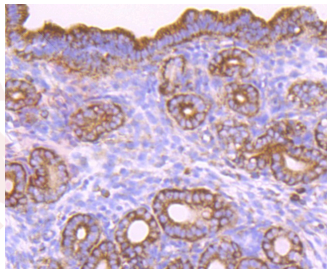
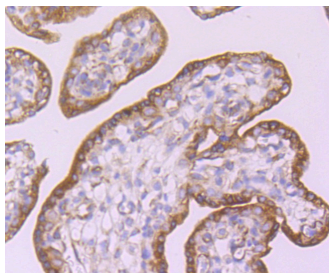
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 70 kDa.
Clone:	8G885
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. 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.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD39 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD39 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-CD39 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse uterus tissue using anti-CD39 antibody. Counter stained with hematoxylin.





Application: IHC,WB

Recommended WB: 1:500-1000; IHC: 1:50-200

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P49961

Synonyms: ectonucleoside triphosphate diphosphohydrolase 1;ATPDase;SPG64;NTPDase-1;CD39

### Research 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 thrombic agent for pre-treating patients at risk for coronary artery occlusion and thrombic stroke.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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