

## CD73 Rabbit mAb

Catalog No: #49454

Package Size: #49454-1 50ul #49454-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

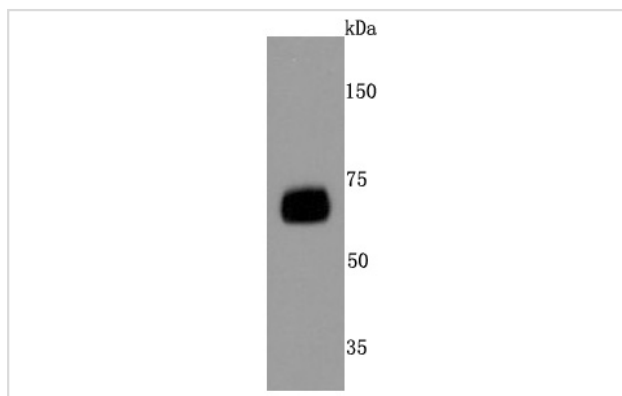
## Description

Product Name	CD73 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM11-40
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	5' NT antibody 5' nucleotidase (CD73) antibody 5' nucleotidase precursor antibody 5' nucleotidase, ecto antibody 5' nucleotidase, ecto (CD73) antibody 5'-NT antibody 5'-nucleotidase antibody 5NTD_HUMAN antibody CD73 antibody CD73 antigen antibody E5NT antibody Ecto 5' nucleotidase antibody Ecto-5'-nucleotidase antibody eN antibody eNT antibody NT antibody NT5 antibody NT5E antibody NTE antibody Purine 5 Prime Nucleotidase antibody
Accession No.	Swiss-Prot#:P21589
Uniprot	P21589
GeneID	4907;
Calculated MW	70 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

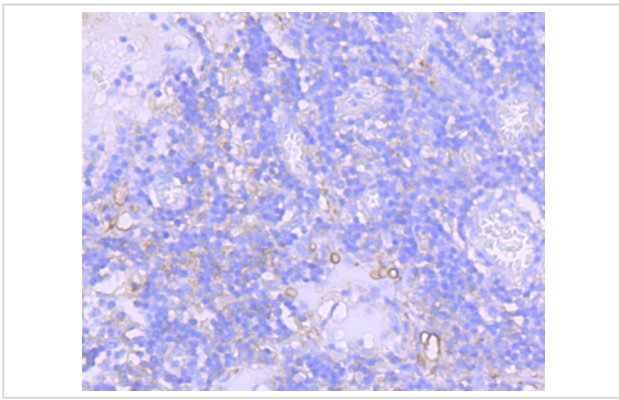
## Application Details

WB: 1:1,000-5,000 IHC: 1:50-1:200

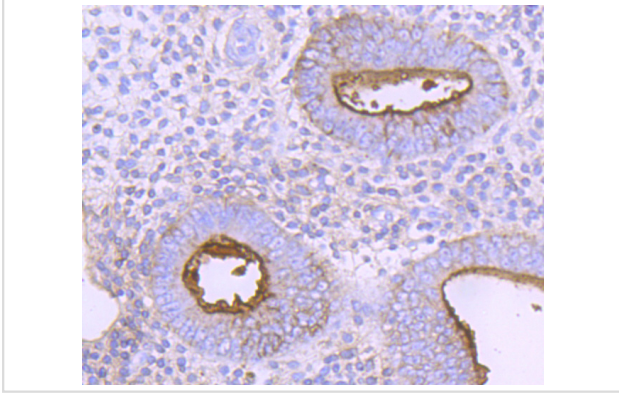
## Images



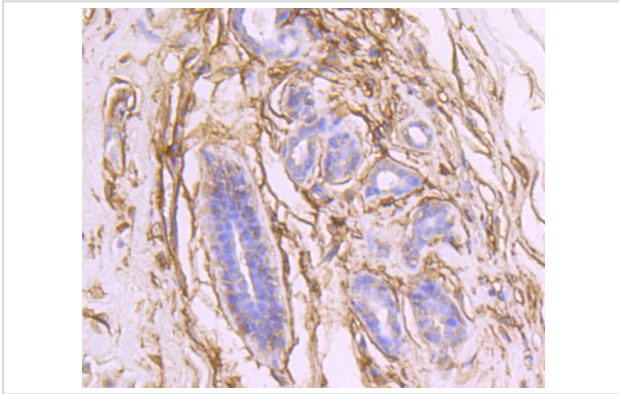
Western blot analysis of CD73 on A431 cells lysates using anti-CD73 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD73 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-CD73 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-CD73 antibody. Counter stained with hematoxylin.

## Background

CD73 (also designated ecto-5'-nucleotidase, E5NT, NT, NT5, NTE, eN and eNT) is a glycosyl-phosphatidylinositol (GPI)-anchored adhesion protein that catalyzes the dephosphorylation of extracellular purine and pyrimidine nucleotides to their corresponding bioactive nucleosides. CD73 is a dimer of two identical subunits that depends on GPI to link with the external face of the plasma membrane. Similar to other GPI-anchored proteins, CD73 mediates co-stimulatory signals in T cell activation. CD73 has few structural variants, yet elicits diverse biological function through differential regulation in endothelial cells (EC), subpopulations of B and T cells, germinal center follicular dendritic cells and on thymic medullary reticular fibroblasts. For example, IgG mediated neutralization of CD73 interferes with lymphocyte adhesion to EC, and blocks aggregation of germinal center B cells and follicular dendritic cells. Furthermore, IgG-mediated targeting of lymphocyte CD73, but not of endothelial cell CD73, causes shedding of CD73 and tyrosine phosphorylation of proteins.

## References

Note: This product is for in vitro research use only