CD73/NT5E Antibody (CT)

ALTERNATE NAMES: NT5E; NT5; NTE; 5'-nucleotidase; Ecto-5'-nucleotidase

CATALOG #: 6802-100

AMOUNT: 100 µl

HOST/ISOTYPE: Rabbit

IMMUNOGEN: This CD73 (NT5E) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 520-550 amino acids from the C-terminal region of human CD73 (NT5E).

MOLECULAR WEIGHT: ~63.368 kDa

FORM: Liquid

FORMULATION: In PBS with 0.09% (W/V) sodium azide.

PURIFICATION: This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

SPECIES REACTIVITY: Human, Mouse.

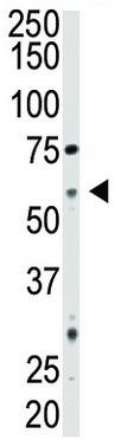
STORAGE CONDITIONS: Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

DESCRIPTION: 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.

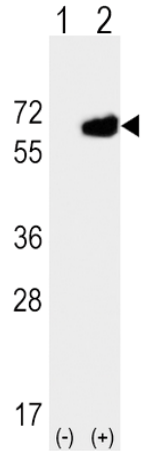
APPLICATION: WB: 1:1000, IHC: 1:10 – 1:50.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

FOR RESEARCH USE ONLY! Not to be used on humans.



Western blot analysis of CD73 pAb in mouse brain tissue lysate. CD73 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Western blot analysis of NT5E (arrow) using rabbit polyclonal NT5E 293 cell lysates (2 µg/lane) either non-transfected (Lane 1) or transiently transfected (Lane 2) with the NT5E gene.

Formalin-fixed and paraffin-embedded human Placenta tissue reacted with CD73 (NT5E) Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

RELATED PRODUCTS:

- Antibodies and Supporting Tools