

NT5E

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:63kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human NT5E

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CD73; E5NT; NT; NT5; NTE; eN; Ent;

Catalog #:A2029

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:4907

Isotype:IgG

Swiss Prot:P21589

Purity:Affinity purification

For research use only.

Background:

Ecto-5'nucleotidase (NT5E, also called CD73) is a 70 kDa glycosyl phosphatidylinositol-anchored membrane-bound glycoprotein that catalyzes the hydrolysis of extracellular nucleoside monophosphates into bioactive nucleoside (1). NT5E catalyzes the terminal step of extracellular adenosine formation from adenosine-monophosphate, therefore driving the regulation of extracellular adenosine levels and the downstream activation of the four G protein-coupled adenosine receptors (2). Binding of hypoxia-inducible factor (HIF-1) to the NT5E gene promoter leads to upregulation of NT5E during hypoxia (3). NT5E biological roles span from lymphocyte adhesion (4,5), to fibrosis (6), to regulation of nociception (7,8).

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