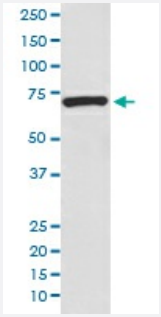
NT5E monoclonal antibody, clone ABOA-14

Catalog # MAB19848 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of A375 cell lysate with NT5E monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human NT5E.
Immunogen	A synthetic peptide corresponding to human NT5E.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Western Blot (Cell lysate)

  Western blot analysis of A375 cell lysate with NT5E monoclonal antibody.

Gene Info — NT5E

Entrez GeneID	4907
Protein Accession#	P21589
Gene Name	NT5E
Gene Alias	CD73, E5NT, NT, NT5, NTE, eN, eNT
Gene Description	5'-nucleotidase, ecto (CD73)
Omim ID	129190
Gene Ontology	Hyperlink
Gene Summary	Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase; EC 3.1.3.5) catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrat e being AMP. The enzyme consists of a dimer of 2 identical 70-kD subunits bound by a glycosyl p hosphatidyl inositol linkage to the external face of the plasma membrane. The enzyme is used as a marker of lymphocyte differentiation. Consequently, a deficiency of NT5 occurs in a variety of im munodeficiency diseases (e.g., see MIM 102700, MIM 300300). Other forms of 5-prime nucleotid ase exist in the cytoplasm and lysosomes and can be distinguished from ecto-NT5 by their substr ate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorgan ic phosphate.[supplied by OMIM
Other Designations	5' nucleotidase (CD73)|5' nucleotidase, ecto|OTTHUMP00000016808|OTTHUMP00000040565| Purine 5-Prime-Nucleotidase|ecto-5'-nucleotidase

Pathway

- Biosynthesis of alkaloids derived from histidine and purine

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- Metabolic pathways
- Nicotinate and nicotinamide metabolism
- Purine metabolism
- Pyrimidine metabolism

Disease

- Ataxia telangiectasia
- Colorectal Neoplasms
- Depressive Disorder
- Fatigue
- Genetic Predisposition to Disease
- Ovarian Neoplasms
- Sleep Disorders
- Sleep Initiation and Maintenance Disorders

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