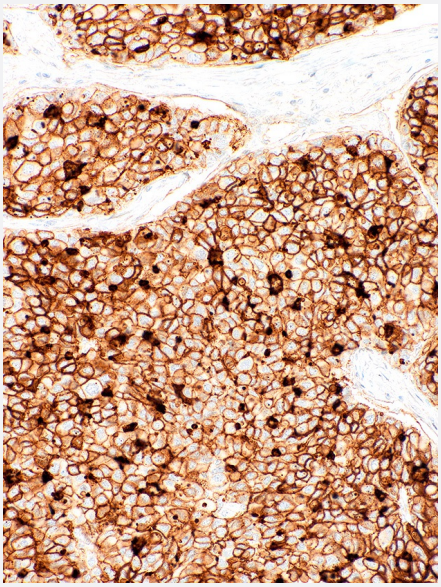
NT5E monoclonal antibody, clone IHC073

Catalog # MAB23876 Size

Applications



Immunohistochemistry

Immunofluorescent staining of hepatocellular carcinoma with NT5E monoclonal antibody, clone IHC073 (Cat # MAB23876) shows positivity in membranous.

Specification

Product Description	Mouse monoclonal antibody raised against Nt5e.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1, Kappa
Recommend Usage	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In tris buffer, pH 7.3 to 7.7, with 1% BSA and < 0.1% sodium azide.
Storage Instruction	Store at 4°C. Do not freeze.

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Applications

- Immunohistochemistry

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Gene Info — NT5E

Entrez GeneID	4907
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
- Metabolic pathways
- Nicotinate and nicotinamide metabolism
- Purine metabolism
- Pyrimidine metabolism

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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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