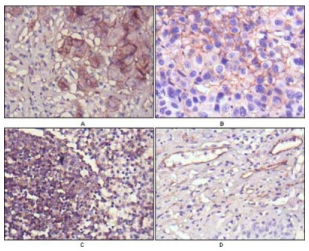
5'-Nucleotidase / CD73 (NT5E) Antibody

Catalogue No.:abx016042



Immunohistochemical analysis of paraffin-embedded human lung cancer (A), cholangiocarcinorna (B), lymph node (C) and esophagus (D) tissues using NT5E antibody with DAB staining.

5'-nucleotidase, ecto (NT5E), also known as CD73 (Cluster of Differentiation 73).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 substrate being AMP.The enzyme consists of a dimer of 2 identical 70-kD subunits bound by a glycosyl phosphatidyl 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 immunodeficiency diseases (e.g., see MIM 102700, MIM 300300).Other forms of 5-prime nucleotidase exist in the cytoplasm and lysosomes and can be distinguished from ecto-NT5 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate.

Target:	5'-Nucleotidase / CD73 (NT5E)
Clonality:	Monoclonal
Clone:	W565
Reactivity:	Human
Tested Applications:	ELISA, IHC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of NT5E expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P21589 (UniProt, ExPASy)
Gene Symbol:	NT5E
GeneID:	4907
OMIM:	129190
HGNC:	8021
KEGG:	hsa:4907
Ensembl:	ENSG00000135318
String:	9606.ENSP00000257770
Molecular Weight:	70 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	This product is for research use only.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com