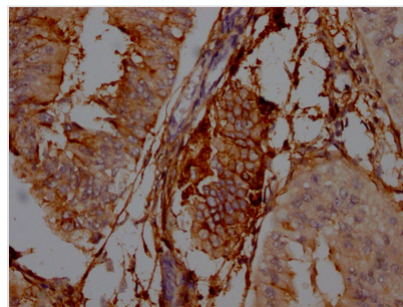




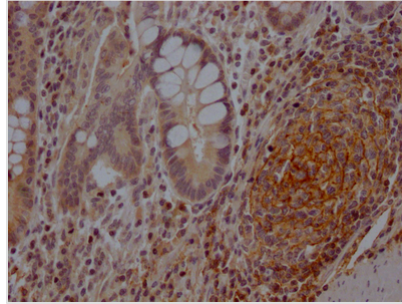
# NT5E Antibody

<b>Product Code</b>	CSB-RA978310A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P21589
<b>Immunogen</b>	A synthesized peptide derived from human CD73
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
<b>Relevance</b>	Hydrolyzes extracellular nucleotides into membrane permeable nucleosides. Exhibits AMP-, NAD-, and NMN-nucleosidase activities.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Cardiovascular
<b>Gene Names</b>	NT5E
<b>Accession NO.</b>	6F6

## Image



IHC image of CSB-RA978310A0HU diluted at 1:100 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



IHC image of CSB-RA978310A0HU diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

## Description

NT5E, also called CD73, is an ecto-5'-nucleotidase responsible for the hydrolysis of extracellular adenosine monophosphate (AMP) into adenosine and inorganic phosphate. NT5E has nucleosidase activity as shown for nicotinamide adenine dinucleotide and nicotinamide mononucleotide. NT5E has been identified as a regulator of epithelial ion transport in physiological settings, protecting mucosal hydration. Adenosine produced by NT5E has been shown to inhibit inflammatory immune responses via a negative feedback loop on neutrophils that express the adenosine receptor. Arterial calcification is a rare autosomal recessive vascular disease caused by NT5E deficiency.

The NT5E antibody genes were cloned from B cells that were derived from immunized animals with A synthesized peptide derived from human CD73 and then introduced into the plasma vectors, which were transfected into mammalian cell lines for up-scaling expression. The product was purified by A synthesized peptide derived from human CD73 to obtain the recombinant antibody against NT5E. This recombinant NT5E antibody is reactive with the NT5E protein from Human. It is recommended for use in the ELISA, IHC.