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Anti-NT5C1B Antibody

Catalog # AP53793

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q96P26
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68804

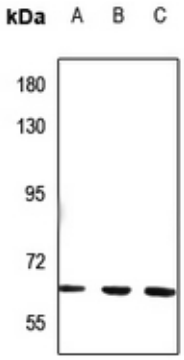
Additional Information

Gene ID	93034
Other Names	AIRP; Cytosolic 5'-nucleotidase 1B; cN1B; Autoimmune infertility-related protein; Cytosolic 5'-nucleotidase IB; cN-IB
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NT5C1B. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

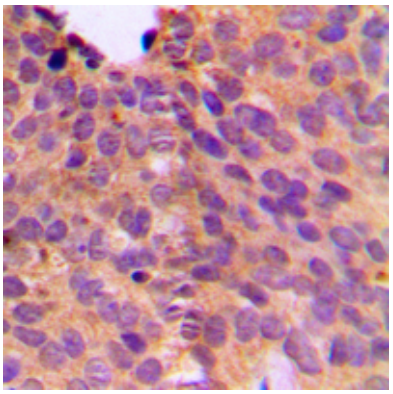
Protein Information

Name	NT5C1B
Synonyms	AIRP
Function	Catalyzes the hydrolysis of nucleotide monophosphates, releasing inorganic phosphate and the corresponding nucleoside, AMP is the major substrate.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q9BXI3}.
Tissue Location	Highly expressed in testis, placenta and pancreas. Detected at lower levels in heart, kidney, liver and lung

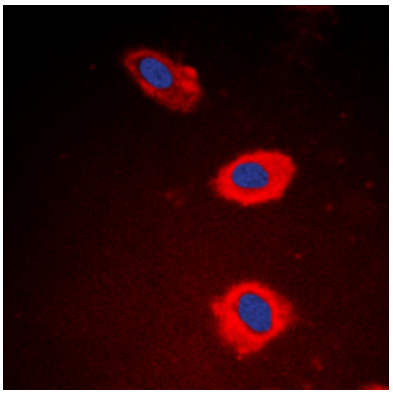
Images



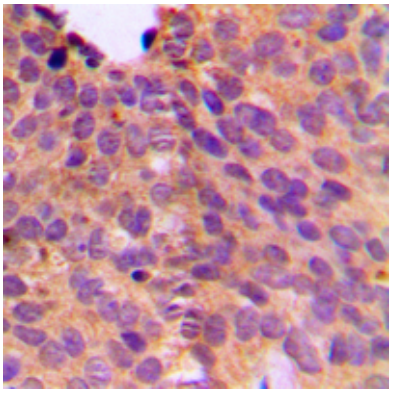
Western blot analysis of NT5C1B expression in BV2 (A), MCF7 (B), H1792 (C) whole cell lysates. (Predicted band size: 68 kD; Observed band size: 62 kD)



Immunohistochemical analysis of NT5C1B staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of NT5C1B staining in EAhy926 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of NT5C1B staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.