

Anti-NT5C3A Antibody (5M344)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5M344
Purification:	Protein A

Applications

Verified Activity:	<p>1. Anti-NT5C3 rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: HepG2 Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.-Developed using the Odyssey technique.-Performed under reducing conditions.-Predicted band size:38 kDa.-Observed band size:39 kDa. <p>2. NT5C3 was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg 293T Whole Cell Lysate.-Lane B:0.5 mg Jurkat Whole Cell Lysate-0.5 µL anti-NT5C3 rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose.-Primary antibody:-Anti-NT5C3 rabbit monoclonal antibody, at 1:500 dilution.-Secondary antibody:-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.-Developed using the odyssey technique.-Performed under reducing conditions.-Predicted band size: 38 kDa.-Observed band size: 38 kDa
Application:	IP,WB
Recommended	WB: 1:500-1:1000; IP: 1-2 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human NT5C3A / UMPH1 Protein

Antigen Species: Human

Synonyms: HSPC233;NT5C3;p36;P5N-1;UMPH1;POMP;cN-III;P5'N-1;PN-I;P5N1;hUMP1;UMPH;PSN1

Research Background

NT5C3A (5'-Nucleotidase, Cytosolic IIIA) is a Protein Coding gene. This gene encodes a member of the 5'-nucleotidase family of enzymes that catalyze the dephosphorylation of nucleoside 5'-monophosphates. The encoded protein is the type 1 isozyme of pyrimidine 5' nucleotidase and catalyzes the dephosphorylation of pyrimidine 5' monophosphates. NT5C3A expression required both an intronic IFN-stimulated response element and the IFN-stimulated transcription factor IRF1. Overexpression of NT5C3A, but not of its catalytic mutants, suppressed IL-8 production by HEK293 cells. NT5C3A-stimulated sirtuin activity resulted in deacetylation of histone H3 and the NF-kappaB subunit RelA (also known as p65), both of which were associated with the proximal region of the IL8 promoter, thus repressing the transcription of IL8 Together.

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