

Rabbit NT5C1A Polyclonal Antibody | anti-NT5C1A antibody

Anti-NT5C1A Antibody, Rabbit Polyclonal

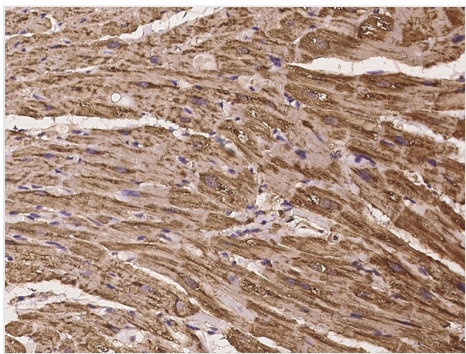
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255954	Rabbit	Human, Cynomolgus	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

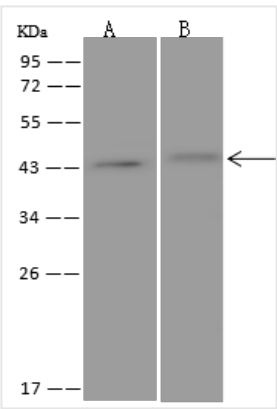
NT5C1A; Polyclonal Antibody; Anti-NT5C1A Antibody; Rabbit Polyclonal; NT5C1A Antibody; Rabbit PAb; Antigen Affinity Purified; 5'-nucleotidase; cytosolic IA; Anti-CN-I Antibody; Anti-CN-IA Antibody; Anti-CN1 Antibody; Anti-CN1A Antibody; Anti-CNI Antibody; anti-NT5C1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Cynomolgus
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NT5C1A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NT5C1A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human NT5C1A fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NT5C1A fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human NT5C1A in cynomolgus heart with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-NT5C1A rabbit polyclonal antibody at 1:500 dilutionLane A: MCF7 Whole Cell LysateLane B: A549 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:41 kDaObserved band size:44 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NT5C1A antibody	Sporadic inclusion body myositis (sIBM) is an inflammatory myopathy (IIM) without a specific biomarker until autoantibodies to the cytosolic 5'-nucleotidase 1A (NT5c1A/Mup44) were reported. Prior investigations demonstrated that autoantibodies recognizing cytosolic 5'-nucleotidase 1A (NT5C1A) are found in 33-76% of patients with inclusion body myositis (IBM) but are observed only rarely in patients with polymyositis (PM). Thus, anti-NT5C1A may help distinguish IBM from PM. Cytosolic 5'-nucleotidase 1A (NT5C1A) dephosphorylates non-cyclic nucleoside monophosphates to produce nucleosides and inorganic phosphates. Seropositivity to the NT5c1A antibody is associated with greater motor and functional disability in sIBM. The study also suggests more prominent bulbar, facial, and respiratory involvement in individuals positive for NT5c1A antibodies.
References	Patzak MS, et al. (2019) Cytosolic 5'-nucleotidase 1a is overexpressed in pancreatic cancer and mediates gemcitabine resistance by reducing intracellular gemcitabine metabolites. EBioMedicine 40 394-405.Lloyd TE, et al. (2016) Cytosolic 5'-nucleotidase 1a as a target of circulating autoantibodies in autoimmune diseases. Arthritis Care Res (Hoboken) 68 (1): 66-71.Amlani A, et al. (2019) Anti-nt5c1a autoantibodies as biomarkers in inclusion body myositis. Front Immunol 10 745.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.