

DATASHEET

NUS1 Rabbit Monoclonal Antibody(C2009)

CAT. NO. AMA01621

KEY FEATURES

Target	NUS1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.	Storage	at-20°C

BACKGROUND

With DHDDS, forms the dehydrololichyl diphosphate synthase (DDS) complex, an essential component of the dolichol monophosphate (Dol-P) biosynthetic machinery complex, an essential component of the dolichol monophosphate (Dol-P) biosynthetic machinery . Both subunits contribute to enzymatic activity, i.e. condensation of multiple copies of isopentenyl pyrophosphate (IPP) to farnesyl pyrophosphate (FPP) to produce dehydrololichyl diphosphate (Dedol-PP), a precursor of dolichol phosphate which is utilized as a sugar carrier in protein glycosylation in the endoplasmic reticulum (ER) . Synthesizes long-chain polyprenols, mostly of C95 and C100 chain length . Regulates the glycosylation and stability of nascent NPC2, thereby promoting trafficking of LDL-derived cholesterol .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

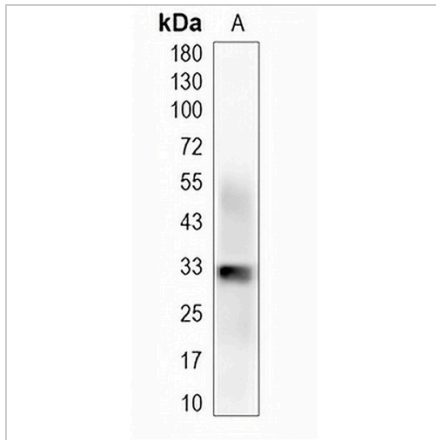
Description	Recombinant rabbit monoclonal antibody to NUS1
Specificity	Recognizes endogenous levels of NUS1 protein
Antibody Type	Primary antibody, Recombinant
Immunogen	Recombinant fusion protein of human NUS1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 33 kD; Observed: 32 kD
Form/Buffer	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Alternative Names	C6orf68; NGBR; Nogo-B receptor; NgBR; Nuclear undecaprenyl pyrophosphate synthase 1 homolog
Gene Symbol	NUS1
Entrez Gene	116150(Human); 52014(Mouse)
SwissProt	Q96E22(Human); Q99LJ8(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of NUS1 expression in A549 (A) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 32 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.