abcam

Product datasheet

Anti-NAGLU/NAG antibody ab154508

3 Images

Overview

Product name	Anti-NAGLU/NAG antibody
Description	Rabbit polyclonal to NAGLU/NAG
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, ICC/IF
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment corresponding to Human NAGLU/NAG aa 252-487 (internal sequence). Database link: P54802
Positive control	Raji whole cell lysate; HeLa cells; Human lung adenocarcinoma tissue
General notes	This product was previously labelled as NAGLU

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab154508** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 82 kDa.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/500.

Target

Function

Involved in the degradation of heparan sulfate.

Tissue specificity

Liver, ovary, peripheral blood leukocytes, testis, prostate, spleen, colon, lung, placenta and kidney.

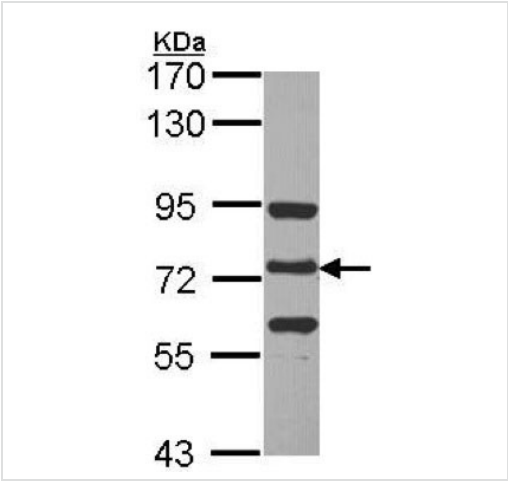
Involvement in disease

Defects in NAGLU are the cause of mucopolysaccharidosis type 3B (MPS3B) [MIM:252920]; also known as Sanfilippo syndrome B. MPS3B is a form of mucopolysaccharidosis type 3, an autosomal recessive lysosomal storage disease due to impaired degradation of heparan sulfate. MPS3 is characterized by severe central nervous system degeneration, but only mild somatic disease. Onset of clinical features usually occurs between 2 and 6 years; severe neurologic degeneration occurs in most patients between 6 and 10 years of age, and death occurs typically during the second or third decade of life.

Cellular localization

Lysosome.

Images

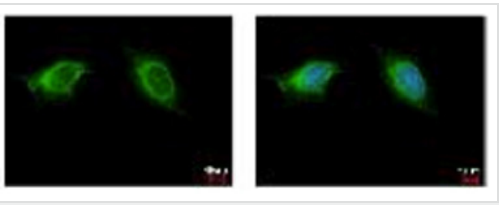


Western blot - Anti-NAGLU/NAG antibody (ab154508)

Anti-NAGLU/NAG antibody (ab154508) at 1/1000 dilution + Raji whole cell lysate at 30 µg

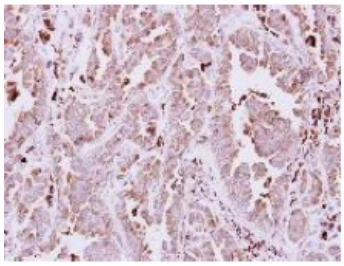
Predicted band size: 82 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-NAGLU/NAG antibody (ab154508)

Immunofluorescent analysis of paraformaldehyde-fixed HeLa cells (4% at RT, 15mins) labeling NAGLU/NAG with ab154508 at 1/500 dilution. Right image shows cells co-stained with Hoechst 33342.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NAGLU/NAG antibody (ab154508)

Immunohistochemical analysis of paraffin-embedded Human lung adenocarcinoma tissue labeling NAGLU/NAG with ab154508 at 1/500 dilution.

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