abcam

Product datasheet

Anti-SGSH/HSS antibody ab96029

2 References 2 Images

Overview

Product name	Anti-SGSH/HSS antibody
Description	Rabbit polyclonal to SGSH/HSS
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment corresponding to Human SGSH/HSS aa 318-466.
Positive control	Molt-4 whole cell lysate, OVCAR3 xenograft, A431 cells
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab96029 in the following tested applications.

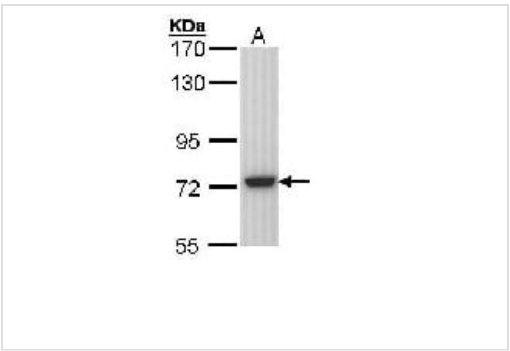
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 57 kDa.
IHC-P		1/100 - 1/500.

Target

Involvement in disease	Defects in SGSH are the cause of mucopolysaccharidosis type 3A (MPS3A) [MIM:252900]; also known as Sanfilippo syndrome A. MPS3A is a severe 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. MPS3A is characterized by earlier onset, rapid progression of symptoms and shorter survival.
Sequence similarities	Belongs to the sulfatase family.
Post-translational modifications	The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity.
Cellular localization	Lysosome.

Images

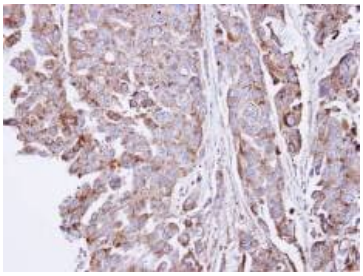


Western blot - Anti-SGSH/HSS antibody (ab96029)

Anti-SGSH/HSS antibody (ab96029) at 1/1000 dilution + Molt-4 whole cell lysate at 30 µg

Predicted band size: 57 kDa

7.5% SDS Page



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SGSH/HSS antibody (ab96029)

Immunohistochemical analysis of formalin fixed paraffin embedded OVCAR3 xenograft, using ab96029 antibody at 1/100 dilution.

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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