abcam

Product datasheet

Anti-HEXA antibody - C-terminal ab189865

[1 Image](#)

Overview

Product name	Anti-HEXA antibody - C-terminal
Description	Rabbit polyclonal to HEXA - C-terminal
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
	Predicted to work with: Cow, Orangutan ⚠
Immunogen	Recombinant fragment corresponding to Human HEXA aa 250 to the C-terminus (C terminal). Database link: **P06865**
	Run BLAST with **Run BLAST with**
Positive control	WB: MCF7, BT474, SW620, HepG2 and HT29 cell lysates; mouse testis and brain tissue lysates.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab189865 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 - 1/2000. Predicted molecular weight: 61 kDa.

Target

Function

Responsible for the degradation of GM2 gangliosides, and a variety of other molecules containing terminal N-acetyl hexosamines, in the brain and other tissues. The form B is active against certain oligosaccharides. The form S has no measurable activity.

Involvement in disease

Defects in HEXA are the cause of GM2-gangliosidosis type 1 (GM2G1) [MIM:272800]; also known as Tay-Sachs disease. GM2-gangliosidosis is an autosomal recessive lysosomal storage disease marked by the accumulation of GM2 gangliosides in the neuronal cells. GM2G1 is characterized by GM2 gangliosides accumulation in the absence of HEXA activity, leading to neurodegeneration and, in the infantile form, death in early childhood. GM2G1 has an increased incidence among Ashkenazi Jews and French Canadians in eastern Quebec. It exists in several forms: infantile (most common and most severe), juvenile and adult (late onset).

Sequence similarities
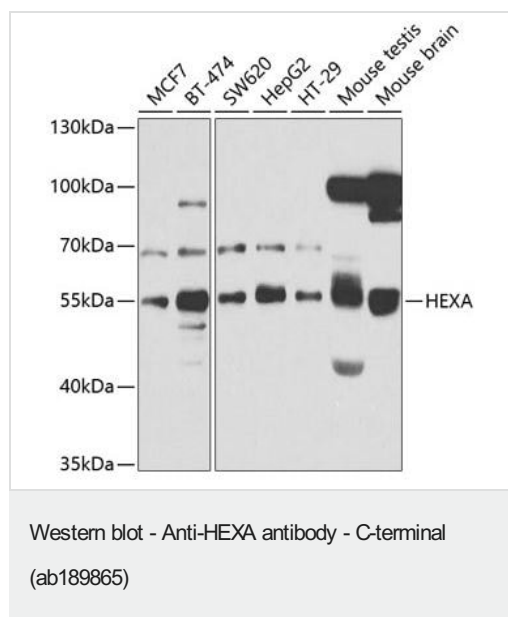
Belongs to the glycosyl hydrolase 20 family.

Post-translational modifications

N-linked glycan at Asn-115 consists of Man(3)-GlcNAc(2).

Cellular localization

Lysosome.

Images

Western blot - Anti-HEXA antibody - C-terminal (ab189865)

All lanes : Anti-HEXA antibody - C-terminal (ab189865) at 1/1000 dilution

Lane 1 : MCF-7 cell lysate
Lane 2 : BT-474 cell lysate
Lane 3 : SW620 cell lysate
Lane 4 : HepG2 cell lysate
Lane 5 : HT-29 cell lysate
Lane 6 : Mouse testis tissue lysate
Lane 7 : Mouse brain tissue lysate

Lysates/proteins at 25 µg per lane.

Secondary
All lanes : HRP Goat Anti-Rabbit IgG (H+L)

Developed using the ECL technique.

Predicted band size: 61 kDa

Exposure time: 5 seconds

Blocking buffer: 3% nonfat dry milk in TBST.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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