

Datasheet for ABIN926663

anti-Hexosaminidase A antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Hexosaminidase A (HEXA)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Hexosaminidase A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	HEXA antibody was raised in rabbit using the C terminal of HEXA as the immunogen
Purification:	Purified

Target Details

Target:	Hexosaminidase A (HEXA)
Alternative Name:	HEXA
Background:	This gene encodes the alpha subunit of the lysosomal enzyme beta-hexosaminidase that, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Beta-hexosaminidase is composed of two subunits, alpha and beta, which are encoded by separate genes. Both beta-hexosaminidase alpha and beta subunits are members of family 20 of glycosyl hydrolases.

Target Details

Mutations in the alpha or beta subunit genes lead to an accumulation of GM2 ganglioside in neurons and neurodegenerative disorders termed the GM2 gangliosidoses. Alpha subunit gene mutations lead to Tay-Sachs disease (GM2-gangliosidosis type I). Synonyms: Polyclonal HEXA antibody, Anti-HEXA antibody, hexosaminidase A, alpha polypeptide antibody, MGC99608 antibody, TSD antibody.

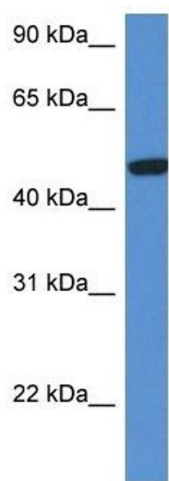
Pathways: [Sensory Perception of Sound](#), [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes:	Optimal conditions should be determined by the investigator.
Comment:	HEXA Blocking Peptide, (ABIN5613994), is also available for use as a blocking control in assays to test for specificity of this HEXA antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



Western Blotting

Image 1. Western Blot showing HEXA antibody used at a concentration of 1 ug/ml against Fetal Kidney Lysate