

Datasheet for ABIN5540052

anti-Hexosaminidase A antibody (AA 89-529)[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	Hexosaminidase A (HEXA)
Binding Specificity:	AA 89-529
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Hexosaminidase A antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant human HEXA (89-529aa) purified from E. coli
Clone:	AT20F1
Isotype:	IgG2a
Specificity:	This antibody detects HEXA at aa 89-529.
Purification:	Protein-A affinity chromatography

Target Details

Target:	Hexosaminidase A (HEXA)
Alternative Name:	beta-hexosaminidase alpha,hexa (HEXA Products)
Background:	HEXA (Hexosaminidase A), also designated beta-Hexosaminidase A, is responsible for the

Target Details

degradation of GM2 gangliosides, and a variety of other molecules containing terminal N-acetyl hexosamines, in the brain and other tissues. A mutation in the α subunit of hexosaminidase is the cause of Tay-Sachs disease (TSD), also known as GM2-gangliosidosis type I. TSD is a fatal autosomal recessive lysosomal storage disease of the central nervous system (CNS) caused by insufficient activity of the HEXA enzyme that results in a failure to process GM2 gangliosides. The accumulation of GM2 ganglioside in the absence of HEXA activity causes progressive destruction of the CNS.

UniProt:	P06865
Pathways:	Sensory Perception of Sound , Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	ELISA. Western blot: Recommended starting dilution is 1:3000. Flow cytometry.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4 containing 0.02 % Sodium Azide and 10 % Glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months