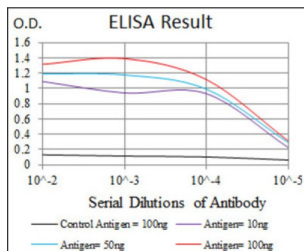
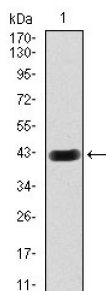


Beta-Hexosaminidase Subunit Alpha (HEXA) Antibody

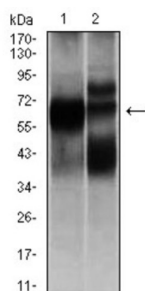
Catalogue No.: abx015883



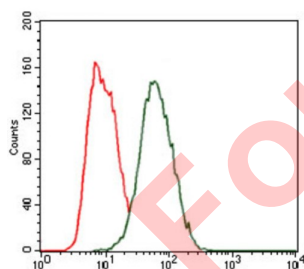
ELISA Analysis. Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng).



Western blot analysis using HEXA antibody against human HEXA (AA: 29-181) recombinant protein. (Expected MW is 43.1 kDa).



Western blot analysis using HEXA antibody against L1210 (1), and HL7702 (2) cell lysate, using HEXA Antibody.



Flow cytometric analysis of HeLa cells using HEXA antibody (green) and negative control (red).

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. 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).

Target: Beta-Hexosaminidase Subunit Alpha (HEXA)

Datasheet

Version: 5.0.0
Revision date: 01 May 2025



Clonality:	Monoclonal
Clone:	L575
Reactivity:	Human
Tested Applications:	ELISA, WB, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human HEXA expressed in E. coli.
Isotype:	IgG _{2b}
Form:	Liquid
Purification:	Purified from ascites by Protein G chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
GeneID:	3073 15211 300757
Molecular Weight:	60.7 kDa
Buffer:	PBS, containing 0.05% sodium azide.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.