

Rabbit anti-Human MGEA5 Polyclonal Antibody | anti-MGEA5 antibody

MGEA5 Antibody

CATALOG # AAA327486	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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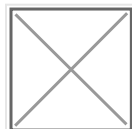
PRODUCT SYNONYMS

MGEA5; Polyclonal Antibody; MGEA5 Antibody; Beta-hexosaminidase; Beta-N-acetylglucosaminidase; Beta-N-acetylhexosaminidase; Bifunctional protein NCOAT; HEXC; Hyaluronidase in meningioma; KIAA0679; MEA5; Meningioma expressed antigen 5; Meningioma-expressed antigen 5; MGEA 5; Mgea5; N-acetyl-beta-D-glucosaminidase; N-acetyl-beta-glucosaminidase; NCOAT; Nuclear cytoplasmic O GlcNAcase and acetyltransferase; Nuclear cytoplasmic O-GlcNAcase and acetyltransferase; OGA; OGA_HUMAN; Protein O-GlcNAcase; anti-MGEA5 antibody

PRODUCT SPECIFICATIONS

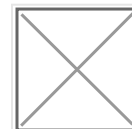
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MGEA5 antibody detects endogenous levels of total MGEA5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	863
Applicable Applications for anti-MGEA5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MGEA5
Subcellular Location	Cytoplasm and Nucleus.
Tissue Specificity	Ubiquitous. Shows highest expression in the brain, placenta and pancreas.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327486 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of MGEA5 using COS7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MGEA5 antibody	Function: Isoform 1: Cleaves GlcNAc but not GalNAc from O-glycosylated proteins. Can use p-nitrophenyl-beta-GlcNAc and 4-methylumbelliferone-GlcNAc as substrates but not p-nitrophenyl-beta-GalNAc or p-nitrophenyl-alpha-GlcNAc (in vitro) (PubMed:11148210). Does not bind acetyl-CoA and does not have histone acetyltransferase activity (PubMed:24088714). Subunit Structure: Monomer (PubMed:11788610). Interacts with CLOCK (By similarity). Post-translational Modifications: Proteolytically cleaved by caspase-3 during apoptosis. The fragments interact with each other; cleavage does not decrease enzyme activity. Similarity: Belongs to the glycosyl hydrolase 84 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215490056
NCBI GeneID	10724
NCBI Accession #	NP_001135906.1
NCBI GenBank Nucleotide #	NM_001142434.1
UniProt Accession #	O60502; O75166; Q86WV0; Q8IV98; Q9BVA5; Q9HAR0; B7WPB9; D3DR79; E9PGF9
Molecular Weight	Observed: 130 kDa Predicted: 103 kDa
NCBI Official Full Name	protein O-GlcNAcase isoform b
NCBI Official Synonym Full Names	O-GlcNAcase
NCBI Official Symbol	OGA
NCBI Official Synonym Symbols	MEA5; MGEA5; NCOAT
NCBI Protein Information	protein O-GlcNAcase
UniProt Protein Name	Protein O-GlcNAcase
UniProt Gene Name	OGA
UniProt Synonym Gene Names	OGA1 PublicationManual assertion based on opinion iniRef.15; NCOAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mgea5-antibody-immunohistochemistry-western-blot-elisa/327486>