

Rabbit MGEA5 Polyclonal Antibody | anti-MGEA5 antibody

MGEA5 Antibody (N-Term)

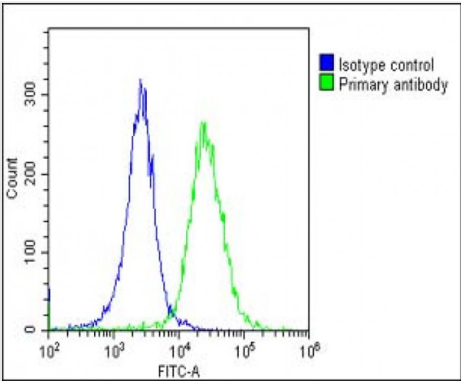
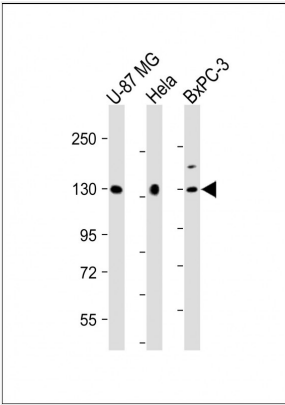
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290905	Rabbit	HumanPredicted: Mouse, Rat	ELISA, Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

MGEA5; Polyclonal Antibody; MGEA5 Antibody (N-Term); Purified Rabbit Polyclonal Antibody (Pab); Protein O-GlcNAcase; OGA; 3.2.1.169; Beta-N-acetylglucosaminidase; 3.2.1.-; Beta-N-acetylhexosaminidase; Beta-hexosaminidase; Meningioma-expressed antigen 5; N-acetyl-beta-D-glucosaminidase; N-acetyl-beta-glucosaminidase; Nuclear cytoplasmic O-GlcNAcase and acetyltransferase; NCOAT; HEXC; KIAA0679; MEA5; anti-MGEA5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted: Mouse, Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This MGEA5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 236-269 amino acids from the human region of human MGEA5.
Purity/Purification	Purified through a protein A column, followed by peptide affinity purification.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	863
Applicable Applications for anti-MGEA5 antibody	ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antigen Type	Synthesized Peptide
Antigen Source	Human
Tissue Location	Ubiquitous. Shows highest expression in the brain, placenta and pancreas.
Cellular Location	Isoform 3: Nucleus
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Overlay histogram showing Hela cells stained with AP22340a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22340a, 1:25 dilution) for 60 min at 37 degree C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 degree C. Isotype control antibody (blue line) was rabbit IgG1 (1μg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ADDITIONAL INFORMATION

Related Product Information for anti-MGEA5 antibody	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).
Product Categories/Family for anti-MGEA5 antibody	Primary Antibodies; Cancer; Metabolism; Signal Transduction
References	Heckel D.,et al.Hum. Mol. Genet. 7:1859-1872(1998). Comtesse N.,et al.Biochem. Biophys. Res. Commun. 283:634-640(2001). Gao Y.,et al.J. Biol. Chem. 276:9838-9845(2001). Ishikawa K.,et al.DNA Res. 5:169-176(1998). Nakajima D.,et al.DNA Res. 9:99-106(2002).

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	102915
NCBI Official Full Name	protein O-GlcNAcase isoform b
NCBI Official Synonym Full Names	meningioma expressed antigen 5 (hyaluronidase)
NCBI Official Symbol	MGEA5
NCBI Official Synonym Symbols	OGA; MEA5; NCOAT
NCBI Protein Information	protein O-GlcNAcase
UniProt Protein Name	Protein O-GlcNAcase
UniProt Gene Name	MGEA5

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-western-blot-flow-cytometry-immunohistochemistry-elisa/290905>