10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MGEA5 Antibody

Rabbit mAb
Catalog # AP91971

Product Information

Application	WB, IHC, IP
Primary Accession	O60502
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	HEXC; MEA5; Mgea5; NCOAT; OGA;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	102915

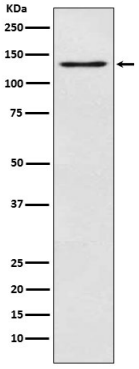
Additional Information

Dilution	WB 1:1000~1:5000 IHC 1:50~1:200 IP 1:80
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MGEA5
Description	Isoform 1: Cleaves GlcNAc but not GalNAc from O-glycosylated proteins. Isoform 3: Cleaves GlcNAc but not GalNAc from O-glycosylated proteins.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	OGA {ECO:0000303|PubMed:20863279, ECO:0000312|HGNC:HGNC:7056}
Function	[Isoform 1]: Cleaves GlcNAc but not GalNAc from O- glycosylated proteins (PubMed:11148210, PubMed:11788610, PubMed:20673219, PubMed:22365600, PubMed:24088714, PubMed:28939839, PubMed:37962578). Deglycosylates a large and diverse number of proteins, such as CRYAB, ELK1, GSDMD, LMNB1 and TAB1 (PubMed:28939839, PubMed:37962578). 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:20673219). Does not bind acetyl-CoA and does not have histone acetyltransferase activity (PubMed:24088714).
Cellular Location	[Isoform 3]: Nucleus
Tissue Location	Ubiquitous. Shows highest expression in the brain, placenta and pancreas.

Images



Western blot analysis of MGEA5 expression in JAR cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.