

# MGEA5 Antibody

Rabbit mAb

Catalog # AP91971

## Product Information

<b>Application</b>	WB, IHC, IP
<b>Primary Accession</b>	<a href="#">O60502</a>
<b>Reactivity</b>	Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	HEXC; MEA5; Mgea5; NCOAT; OGA;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	102915

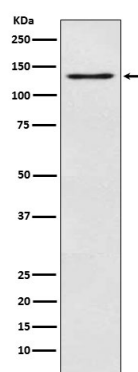
## Additional Information

<b>Dilution</b>	WB 1:1000~1:5000 IHC 1:50~1:200 IP 1:80
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human MGEA5
<b>Description</b>	Isoform 1: Cleaves GlcNAc but not GalNAc from O-glycosylated proteins. Isoform 3: Cleaves GlcNAc but not GalNAc from O-glycosylated proteins.
<b>Storage Condition and Buffer</b>	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

<b>Name</b>	OGA {ECO:0000303   PubMed:20863279, ECO:0000312   HGNC:HGNC:7056}
<b>Function</b>	[Isoform 1]: Cleaves GlcNAc but not GalNAc from O- glycosylated proteins (PubMed: <a href="#">11148210</a> , PubMed: <a href="#">11788610</a> , PubMed: <a href="#">20673219</a> , PubMed: <a href="#">22365600</a> , PubMed: <a href="#">24088714</a> , PubMed: <a href="#">28939839</a> , PubMed: <a href="#">37962578</a> ). Deglycosylates a large and diverse number of proteins, such as CRYAB, ELK1, GSDMD, LMNB1 and TAB1 (PubMed: <a href="#">28939839</a> , PubMed: <a href="#">37962578</a> ). 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: <a href="#">20673219</a> ). Does not bind acetyl-CoA and does not have histone acetyltransferase activity (PubMed: <a href="#">24088714</a> ).
<b>Cellular Location</b>	[Isoform 3]: Nucleus
<b>Tissue Location</b>	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'.