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MGEA5 Antibody
Rabbit mAb
Catalog # AP91971

Specification

MGEA5 Antibody - Product Information

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

MGEA5 Antibody - Additional Information

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.**

MGEA5 Antibody - 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

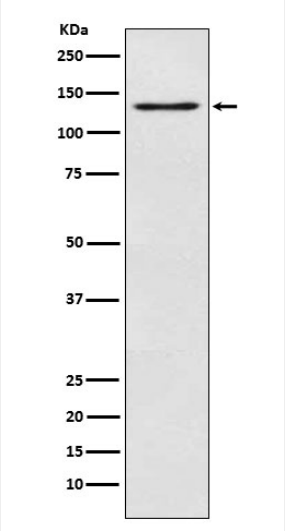
Tissue Location
Ubiquitous. Shows highest expression in the brain, placenta and pancreas.

MGEA5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MGEA5 Antibody - Images



Western blot analysis of MGEA5 expression in JAR cell lysate.