

**MGEA5 Antibody**  
Rabbit mAb  
Catalog # AP91971

## Specification

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### 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:<a href="http://www.uniprot.org/citations/11148210" target="\_blank">11148210</a>, PubMed:<a href="http://www.uniprot.org/citations/11788610" target="\_blank">11788610</a>, PubMed:<a href="http://www.uniprot.org/citations/20673219" target="\_blank">20673219</a>, PubMed:<a href="http://www.uniprot.org/citations/22365600" target="\_blank">22365600</a>, PubMed:<a href="http://www.uniprot.org/citations/24088714" target="\_blank">24088714</a>, PubMed:<a href="http://www.uniprot.org/citations/28939839" target="\_blank">28939839</a>, PubMed:<a href="http://www.uniprot.org/citations/37962578" target="\_blank">37962578</a>). Deglycosylates a large and diverse number of proteins, such as CRYAB, ELK1, GSDMD, LMNB1 and TAB1 (PubMed:<a href="http://www.uniprot.org/citations/28939839" target="\_blank">28939839</a>, PubMed:<a href="http://www.uniprot.org/citations/37962578" target="\_blank">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="http://www.uniprot.org/citations/20673219" target="\_blank">20673219</a>). Does not bind acetyl-CoA and does not have histone acetyltransferase activity (PubMed:<a href="http://www.uniprot.org/citations/24088714" target="\_blank">24088714</a>).

#### Cellular Location

[Isoform 3]: Nucleus

#### Tissue Location

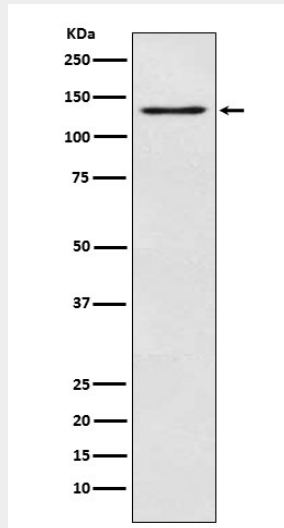
Ubiquitous. Shows highest expression in the brain, placenta and pancreas.

### 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 Cytometry](#)
- [Cell Culture](#)

### MGEA5 Antibody - Images



Western blot analysis of MGEA5 expression in JAR cell lysate.