

## OGA antibody

### Product Information

Catalog No.:	FNab05164
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	9B9
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

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). Isoform 3: Cleaves GlcNAc but not GalNAc from O-glycosylated proteins. Can use p-nitrophenyl-beta-GlcNAc as substrate but not p-nitrophenyl-beta-GalNAc or p-nitrophenyl-alpha-GlcNAc(in vitro), but has about six times lower specific activity than isoform 1.

### Immunogen information

Immunogen:	meningioma expressed antigen 5(hyaluronidase)
Synonyms:	Protein O-GlcNAcase (OGA) Beta-N-acetylglucosaminidase 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) OGA HEXC KIAA0679 MEA5 MGEA5
Observed MW:	130 kDa
Uniprot ID :	O60502

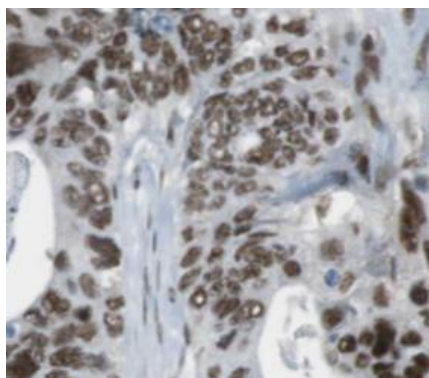
### Application

Reactivity:	Human
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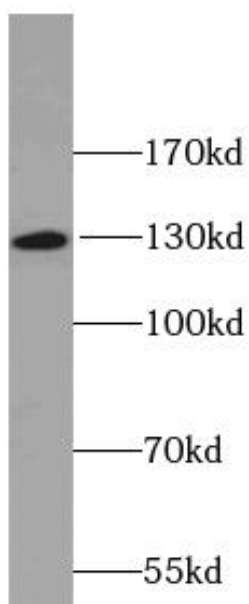
Tested Application: ELISA, WB, IF, IHC

Recommended dilution: WB: 1:500-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human gliomas using FNab05164(MGEA5 antibody) at dilution of 1:50



Human brain lysate were subjected to SDS PAGE followed by western blot with FNab05164(MGEA5 antibody) at dilution of 1:600