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Product datasheet for TA323895S

OGA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse pancreas tissue IHC: 15-50 Positive control: Human lung cancer Predicted cell location: Cytoplasm, Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 695-814 amino acids of human meningioma expressed antigen 5 (hyaluronidase)
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	103 kDa
Gene Name:	meningioma expressed antigen 5 (hyaluronidase)
Database Link:	NP_001135906 Entrez Gene 76055 MouseEntrez Gene 154968 RatEntrez Gene 10724 Human O60502

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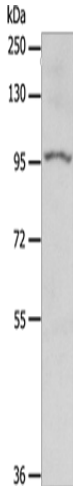
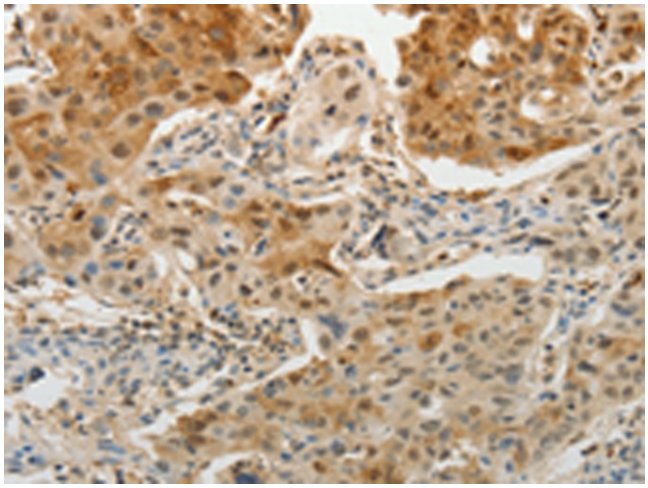
Background: The dynamic modification of cytoplasmic and nuclear proteins by O-linked N-acetylglucosamine (O-GlcNAc) addition and removal on serine and threonine residues is catalyzed by OGT; which adds O-GlcNAc; and MGEA5; a glycosidase that removes O-GlcNAc modifications. Cleaves GlcNAc but not GalNAc from glycopeptides. Can use p-nitrophenyl-beta-GlcNAc as substrate but not p-nitrophenyl-beta-GalNAc or p-nitrophenyl-alpha-GlcNAc. Possesses hyaluronidase activity. Acetylates 'Lys-8' of histone H4 and 'Lys-14' of histone H3. Shows highest expression in the brain; placenta and pancreas.

Synonyms: MEA5; NCOAT; OGA

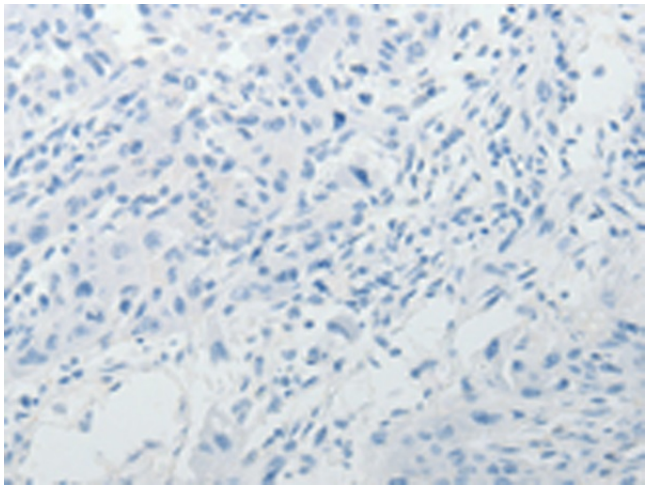
Product images:



Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: Mouse pancreas tissue
Primary antibody: [TA323895] (OGA Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA323895] (OGA Antibody) at dilution 1/15 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA323895] (OGA Antibody) at dilution 1/15, treated with fusion protein. (Original magnification: ×200)