

# Product Datasheet

## O-GlcNAcase/OGA/MGEA5 Antibody - BSA Free NBP1-81244

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-81244**

O-GlcNAcase/OGA/MGEA5 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

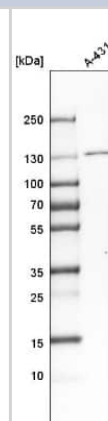
<b>Host</b>	Rabbit
<b>Gene ID</b>	10724
<b>Gene Symbol</b>	OGA
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: WTGPKVVSKEIPVESIEEVSKIIKRAPVIWDNIHANDYDQKRLFLGPYKGRSTELI PRLKGVLTPNCFEANYVAIHTLATWYKSNMNGVRKDVVM

**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

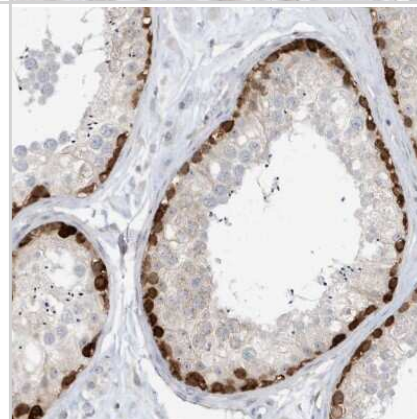
Western Blot: O-GlcNAcase/OGA/MGEA5 Antibody [NBP1-81244] - Analysis in human cell line A-431.



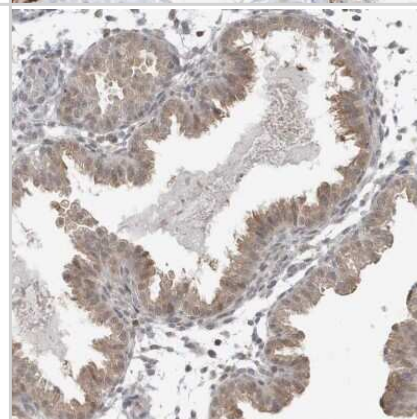
Immunohistochemistry-Paraffin: O-GlcNAcase/OGA/MGEA5 Antibody [NBP1-81244] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: O-GlcNAcase/OGA/MGEA5 Antibody [NBP1-81244] - Staining of human testis shows strong cytoplasmic positivity in spermatogonia in seminiferous ducts.



Immunohistochemistry-Paraffin: O-GlcNAcase/OGA/MGEA5 Antibody [NBP1-81244] - Staining of human endometrium shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: O-GlcNAcase/OGA/MGEA5 Antibody [NBP1-81244] - Staining of human lymph node shows moderate to strong cytoplasmic positivity in germinal center cells.



## Publications

Akihito Ishikita, Shouji Matsushima, Soichiro Ikeda, Kosuke Okabe, Ryohei Nishimura, Tomonori Tadokoro, Nobuyuki Enzan, Taishi Yamamoto, Masashi Sada, Yoshitomo Tsutsui, Ryo Miyake, Masataka Ikeda, Tomomi Ide, Shintaro Kinugawa, Hiroyuki Tsutsui GFAT2 mediates cardiac hypertrophy through HBP-O-GlcNAcylation-Akt pathway iScience 2021-12-17 [PMID: 34934932]

Zhu WZ, Ledee D, Olson AK Temporal regulation of protein O-GlcNAc levels during pressure-overload cardiac hypertrophy Physiological reports 2021-08-01 [PMID: 34337900] (WB, Mouse)





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### **Products Related to NBP1-81244**

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NBP1-81244PEP	O-GlcNAcase/OGA/MGEA5 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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