Datasheet for ABIN190863

anti-OGT antibody (Internal Region)

6 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	OGT
Binding Specificity:	Internal Region
Reactivity:	Human, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This OGT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	OGT
Immunogen:	Peptide with sequence C-YEHPKDLKLSDGR, from the internal region of the protein sequence according to NP_858058.1, NP_858059.1.
Sequence:	YEHPKDLKLS DGR
Isotype:	IgG
Specificity:	This antibody is expected to recognise both reported isoforms (NP_858058.1 and NP_858059.1
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade:	Verified

Target Details

Target:	OGT
Alternative Name:	OGT (OGT Products)
Background:	OGT, O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase), FLJ23071, HRNT1, MGC22921, O-GLCNAC , O-GlcNAc transferase p110 subunit O-linked GlcNAc transferase, uridinediphospho-N-acetylgl
Gene ID:	8473, 108155, 26295
NCBI Accession:	NP_858058, NP_858059
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 5 µg/mL. Western Blot: Approx 110 kDa band observed in Rat Pancreas lysates calculated MW of 116 kDa according to NP_858058.2). An additional band of unknown identity was also consistently observed at 60 kDa. This band was successfully blocked by incubation with the Peptide ELISA: antibody detection limit dilution 1:64000.
Comment:	**Immunofluorescence:** Strong expression of the protein seen in the nucleus of HeLa, U2OS and Glioblastoma U251 cells. Recommended concentration: 10µg/ml. **Flow Cytometry:** Flow cytometric analysis of HEK293 cells. Recomme
Restrictions:	For Research Use only

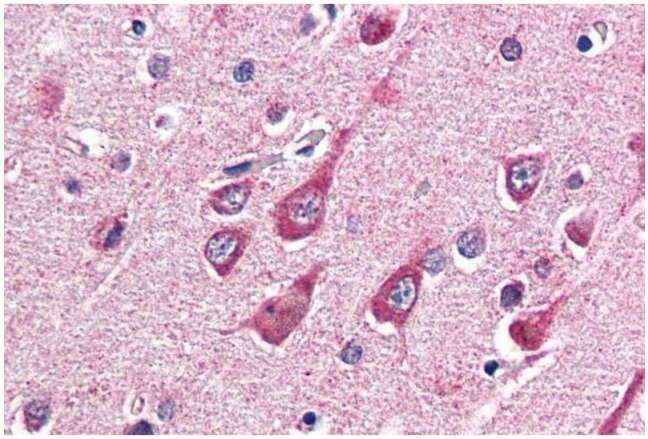
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide

Handling

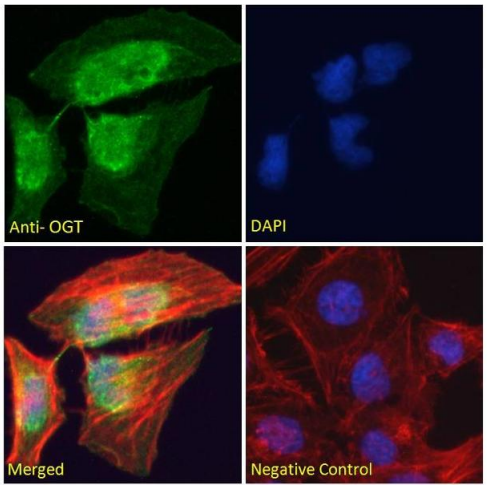
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



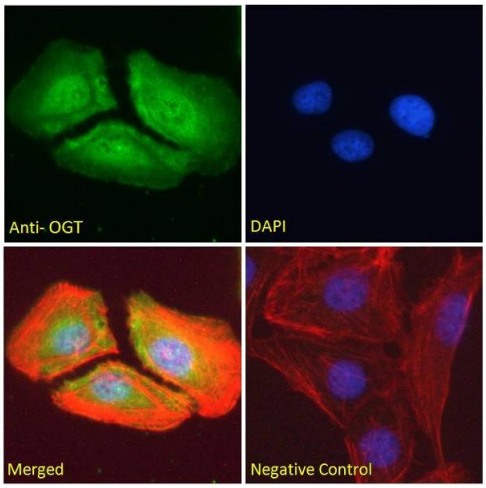
Immunohistochemistry

Image 1. ABIN190863 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunofluorescence

Image 2. ABIN190863 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunofluorescence

Image 3. ABIN190863 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and membrane/cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Please check the product details page for more images. Overall 6 images are available for ABIN190863.