

Product Datasheet

OGT Antibody (orb1247175)

Catalog Number	orb1247175
Category	Antibodies
Description	OGT Antibody
Target	OGT
Clonality	Polyclonal
Species/Host	Goat
Conjugation	Unconjugated
Reactivity	Human, Rat
Predicted Reactivity	Bovine, Canine, Mouse
Form/Appearance	Liquid
Concentration	500 ug/mL
Buffer/Preservatives	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Immunogen	The immunogen for this antibody is: C-YEHPKDLKLSGDR
UniProt ID	O15294
Tested applications	ELISA, FC, IF, IHC, WB

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Application notes

Peptide ELISA: antibody detection limit dilution 1:64000. Western Blot: Approx 110kDa band observed in Rat Pancreas lysates calculated MW of 116kDa according to NP_858058.2). An additional band of unknown identity was also consistently observed at 60kDa. This band was successfully blocked by incubation with the immunising peptide. Recommended concentration: 0.05-0.2µg/mL. Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on Mouse Brain for this particular batch. Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/mL. 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. Recommended concentration: 10µg/mL.

Specificity

This antibody is expected to recognise both reported isoforms (NP_858058.1 and NP_858059.1

Antibody Type

Primary Antibody

Modifications

None

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

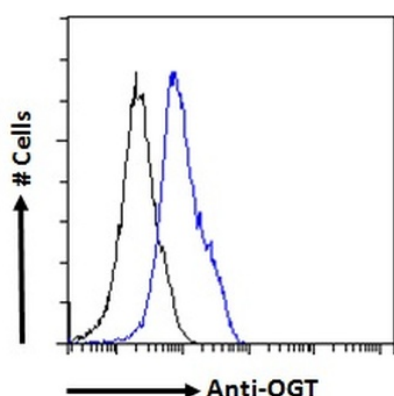
For research use only

NCBI

NP_858059.1, NP_858058.1

Expiration Date

12 months from date of receipt.



orb1247175 (0.05 ug/ml) staining of Rat Pancreas lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence.

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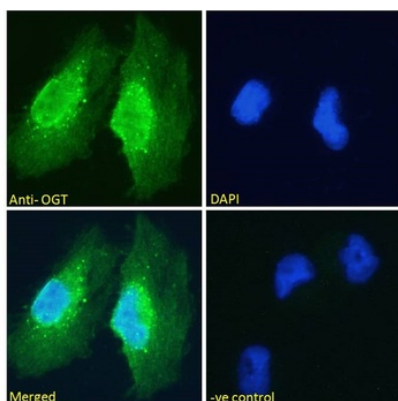
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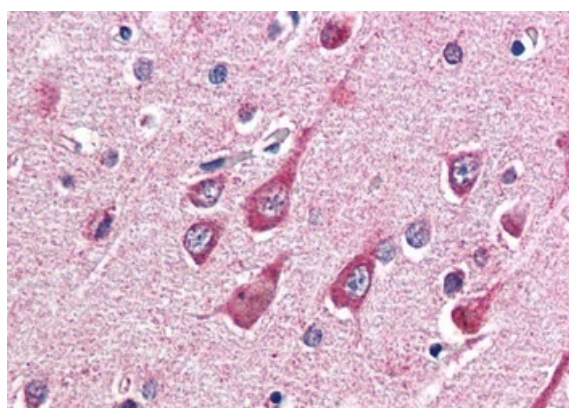
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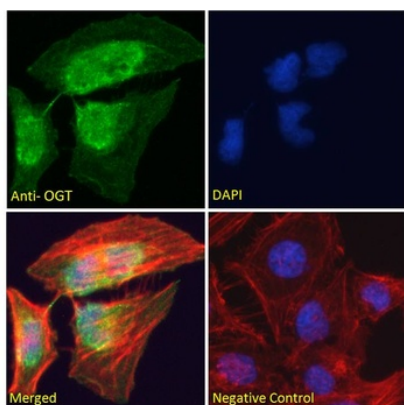
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orb1247175 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing nuclear and membrane/cytoplasmic staining.



orb1247175 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (1 ug/ml). IgG control: Unimmunized goat IgG (black line).



orb1247175 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing nuclear and cytoplasmic staining.

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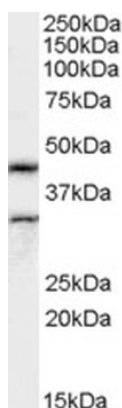
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orb1247175 (5 ug/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



orb1247175 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing nuclear staining.

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