

Product Datasheet

PTGS1 Antibody (orb1247911)

Catalog Number	orb1247911
Category	Antibodies
Description	PTGS1 Antibody
Target	PTGS1
Clonality	Polyclonal
Species/Host	Goat
Conjugation	Unconjugated
Reactivity	Human, 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-QDDGPAVERPSTEL
UniProt ID	P23219
Tested applications	ELISA, IF, WB

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Application notes

Peptide ELISA: antibody detection limit dilution 1:32000. Western Blot: Approx 60kDa and 70-75kDa bands observed in lysates of cell line U937 and approx 70-75kDa band observed in Mouse Kidney and Skeletal Muscle lysates (calculated MW of 64.5kDa according to Human NP_542158.1 and 68.7kDa Human NP_000953.2, and 69.0kDa according to Mouse NP_032995.1). The observed molecular weights correspond to earlier findings with different antibodies from other commercial sources. Recommended concentration: 0.5-2ug/ml. Immunofluorescence: Strong expression of the protein seen in the Golgi apparatus and vesicles of NIH3T3 cells. Recommended concentration: 5ug/ml.

Specificity

This antibody is expected to recognise both human isoforms of this protein according to NP_000953.2 and NP_542158.1.

Antibody Type

Primary Antibody

Modifications

None

Storage

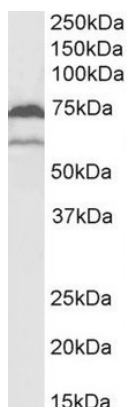
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

NCBI

NP_000953.2, NP_542158.1



orb1247911 (2 ug/ml) staining of U937 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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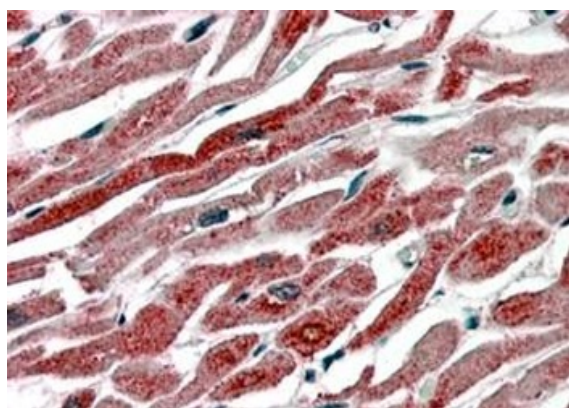
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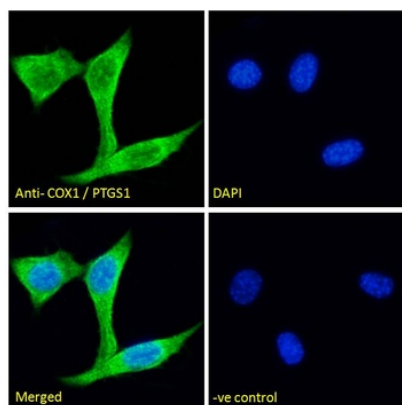
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orb1247911 (3.8 ug/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. This data is from a previous batch, not on sale.



orb1247911 (0.5 ug/ml) staining of Mouse Kidney (A) and Skeletal Muscle (B) lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



orb1247911 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5 ug/ml) followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing Golgi and vesicle staining.

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