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Research Use Only. Not for diagnostic or therapeutic use.

EB08594 - Goat Anti-PPP1R12A Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: PPP1R12A, protein phosphatase 1, regulatory (inhibitor) subunit 12A, MBS, MGC133042, MYPT1, myosin phosphatase, target subunit 1 Official Symbol: PPP1R12A Accession Number(s): NP_002471.1, NP_001231919.1, NP_001231921 .1,

NP_001137358.1

Immunogen

Peptide with sequence C-REDEYKQKYSRTYD, from the C Terminus of the protein sequence according to NP_002471.1, NP_001231919.1, NP_001231921 .1, NP_001137358.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

IHC: Paraffin embedded Human Testis. Recommended concentration: 4-5µg/ml. Preliminary testing showed positive staining of the neuronal cells and neuropils in paraffin embedded Human Cortex.

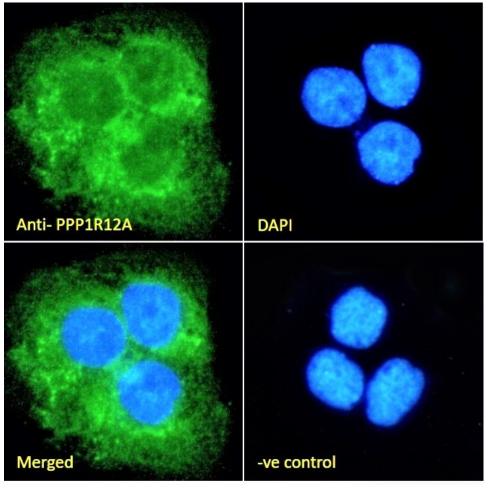
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

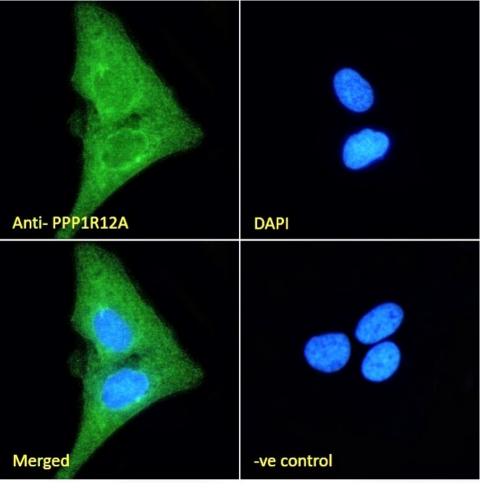
Species Reactivity

Tested: Human Expected from sequence similarity: Human

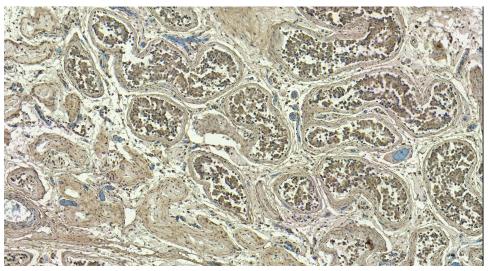




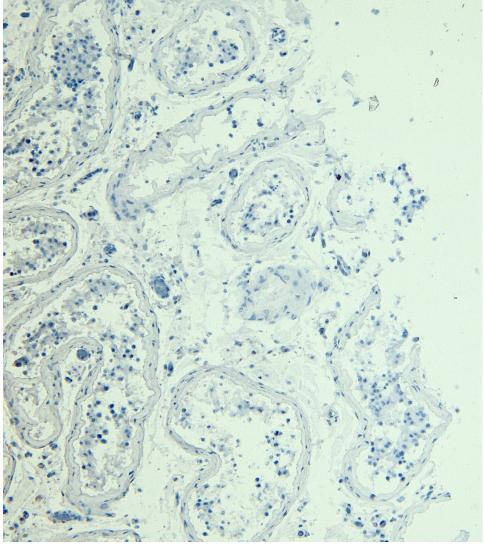
EB08594 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



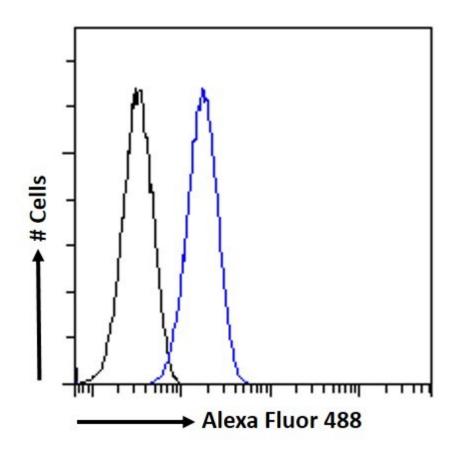
EB08594 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08594 (4µg/ml) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB08594 Negative Control showing staining of paraffin embedded Human Testis, with no primary antibody.



EB08594 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.