



## UK Office

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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.

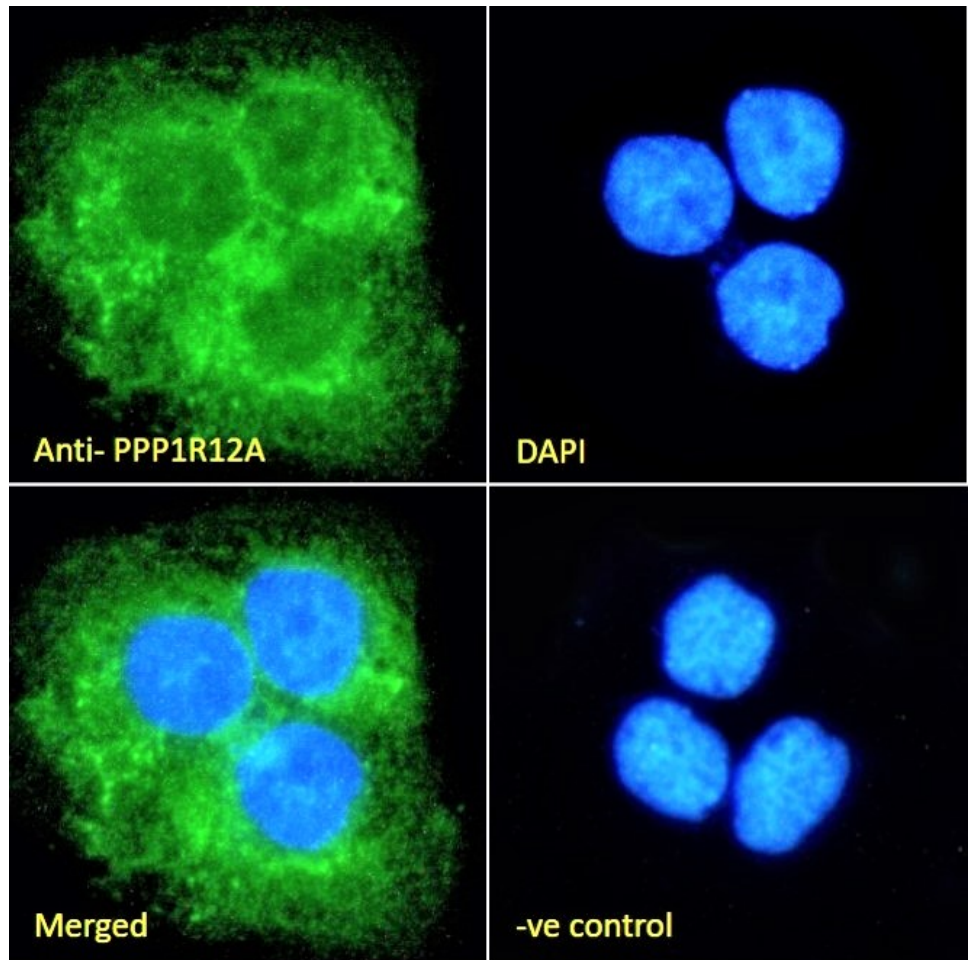
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

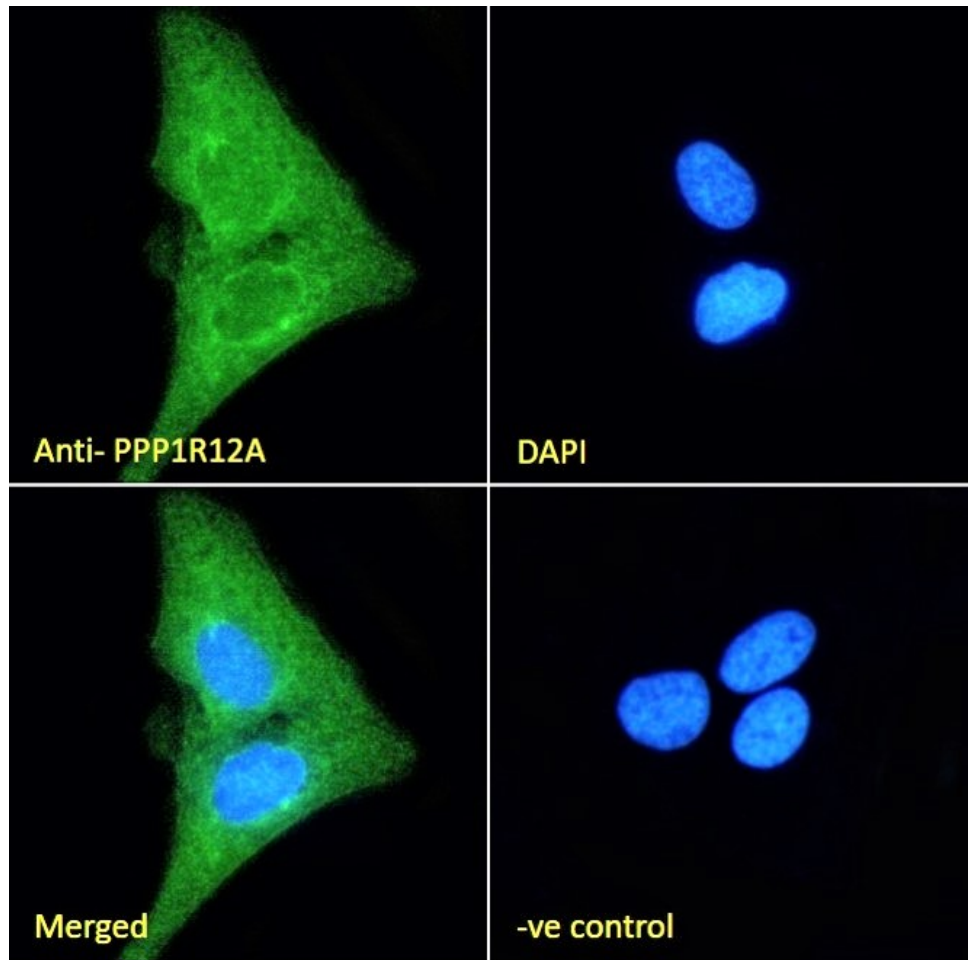
### Species Reactivity

**Tested:** Human

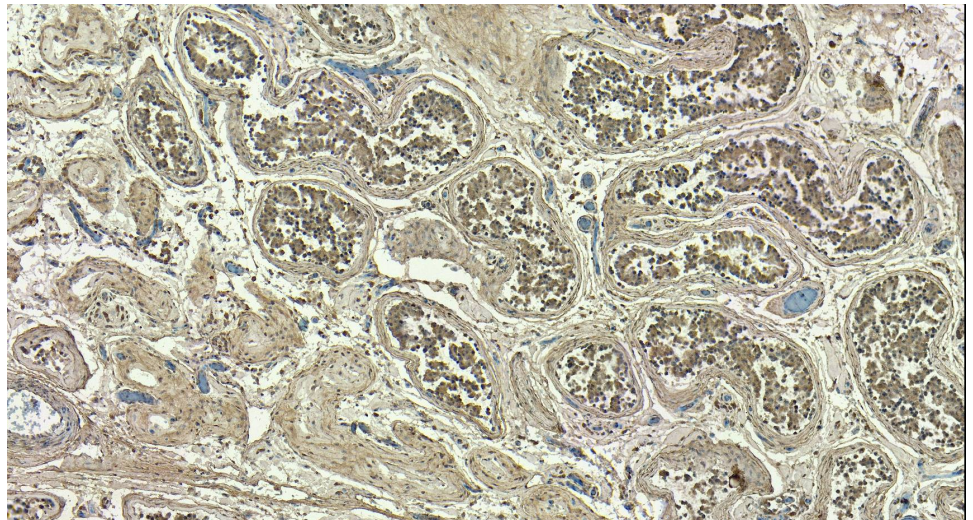
**Expected from sequence similarity:** Human



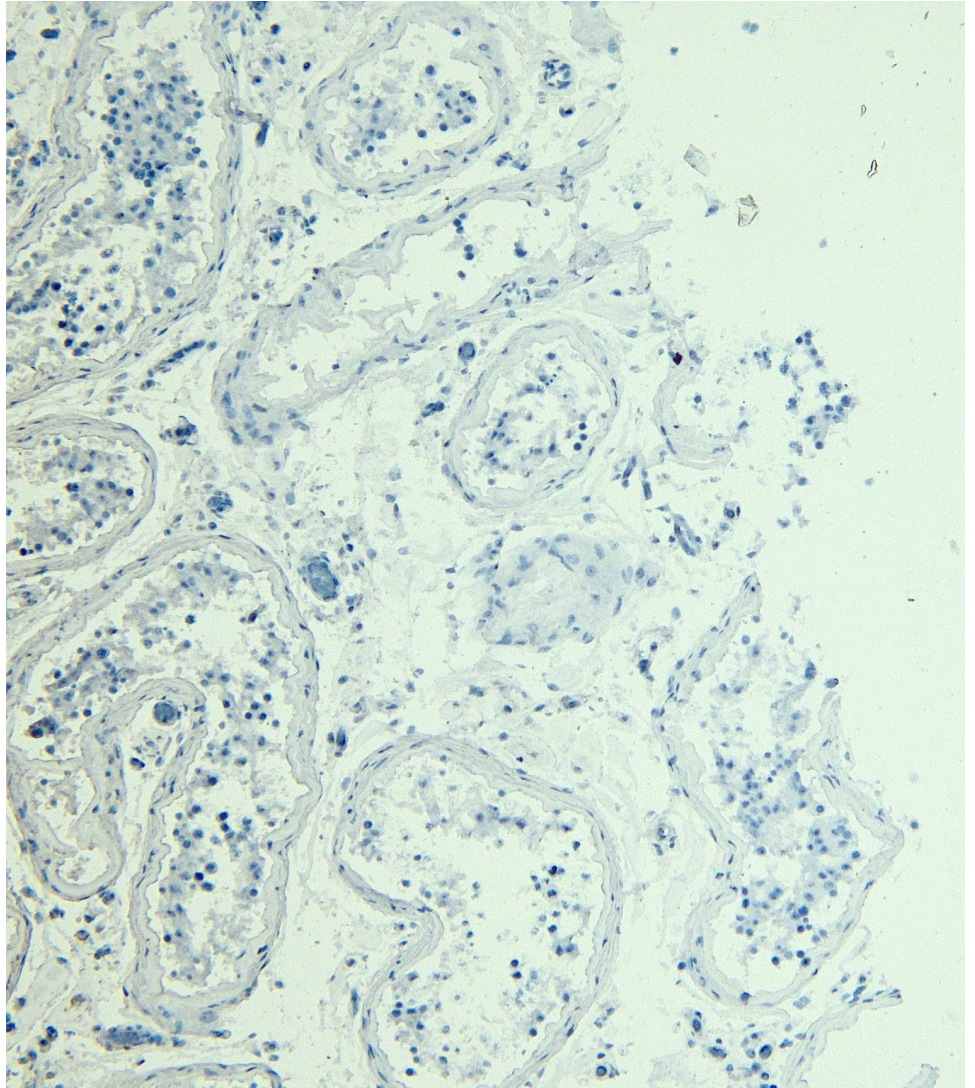
EB08594 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)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



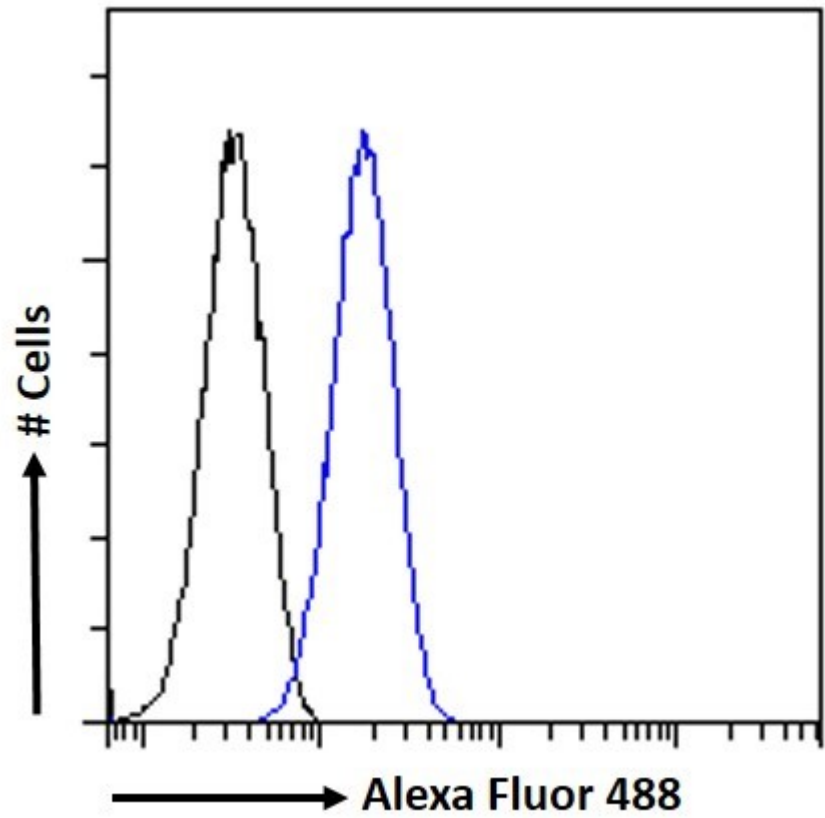
EB08594 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)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