

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries: info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106 Ramona, CA 92065 USA

Inquiries: info@everestbiotech.com Sales: usasales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: 888-320-4628 (toll-free) Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB10834 - Goat Anti-PIM2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PIM2, pim-2 oncogene, pim-2h, proto-oncogene Pim-2 (serine threonine kinase), serine/threonine protein kinase pim-2, serine/threonine-protein kinase pim-2

Official Symbol: PIM2 Accession Number(s): NP_006866.2 Human GeneID(s): <u>11040</u>

Immunogen

Peptide with sequence C-QTPAEDVPLNPSK, from the C Terminus of the protein sequence according to NP_006866.2.

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 1:16000.

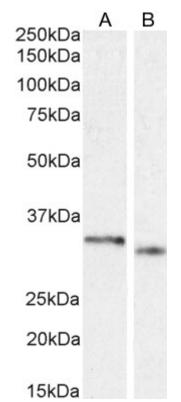
Western blot: Approx. 30kDa band observed in lysates of cell line K562 and in preliminary testing of cell lines HeLa and Caco-2 and approx. 30-35kDa observed in lysates of cell line HepG2 (calculated MW of 34.2kDa according to NP_006866.2).
Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.
IHC: Paraffin embedded Human Testis. Recommended concentration: 5µg/ml.

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

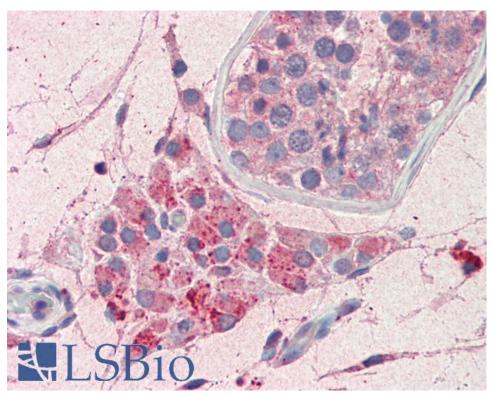
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

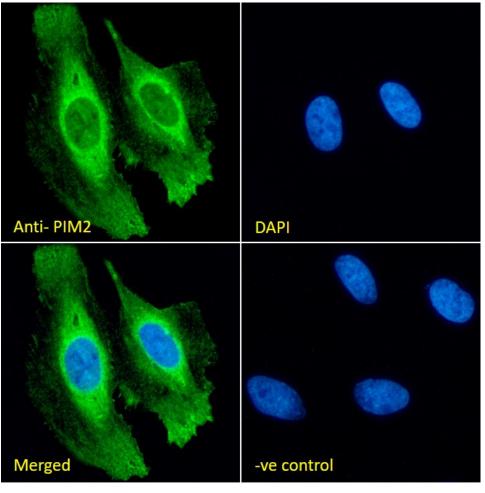
Tested: Human Expected from sequence similarity: Human



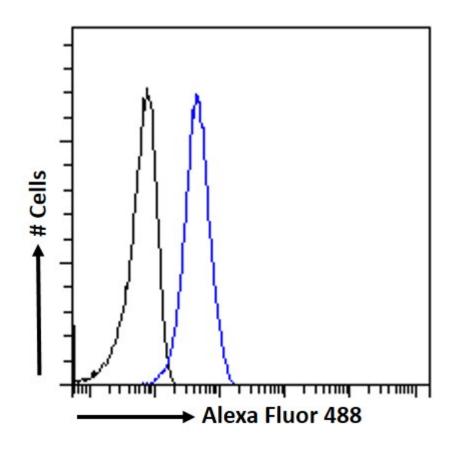
EB10834 (1µg/ml) staining of HepG2 (A) and K562 (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB10834 (5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB10834 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 cytoplasmic and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB10834 Flow cytometric analysis of paraformaldehyde fixed HeLa 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.