## UK Office

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# 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):** 11040

## 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.