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EB11207 - Goat Anti-Vimentin Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: FLJ36605, vimentin, VIM
Official Symbol: VIM
Accession Number(s): NP_003371.2
Human GeneID(s): 7431
Non-Human GeneID(s): 22352 (mouse), 81818 (rat)

Immunogen

Peptide with sequence C-QVINETSQHHDDLE, from the C Terminus of the protein sequence according to NP_003371.2.

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 1:4000.
Western blot: Approx 55kDa band observed in lysates of cell line HeLa and Jurkat and in Mouse Ovary lysates, and approx. 55-60kDa band in Rat Ovary lysates (calculated MW of 53.7kDa according to Human NP_003371.2, Mouse NP_035831.2 and Rat NP_112402.1). Recommended concentration: 0.1-2µg/ml.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml. **Immunofluorescence:** Strong expression of the protein seen in the cytoplasm/Intermediate filaments of U2OS cells. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

EB11207 (2µg/ml) staining of HeLa (A) and Jurkat (B) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB11207 (0.1µg/ml) staining of Mouse (A) and (2µg/ml) Rat (B) Ovary lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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 (0.4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

EB11207 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/Intermediate filament staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).