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EB05566 - Goat Anti-PAX5 / BSAP Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: PAX5, BSAP, paired box gene 5 (B-cell lineage specific activator protein), B-cell lineage specific activator protein, paired box homeotic gene 5 (B-cell lineage specific activator protein), paired box 5, B cell specific activator protein, B-cell lineage specific activator, paired box homeotic gene 5, transcription factor PAX 5
Official Symbol: PAX5
Accession Number(s): NP_057953.1
Human GeneID(s): 5079
Non-Human GeneID(s): 18507 (mouse)

Immunogen

Peptide with sequence DLEKNYPTPRTSR-C, from the N Terminus of the protein sequence according to NP_057953.1.

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 1:64000.
Western blot: Approx 38kDa band observed in Human Lymph and Rat Spleen lysates, and approx.40kDa in Mouse Spleen lysates (calculated MW of 42.1kDa according to Human NP_057953.1 and 42.2kDa according to Mouse NP_032808.1 and Rat NP_001102731.1). Recommended concentration: 0.1-0.5µg/ml.

Immunofluorescence: Strong expression of the protein seen in the nuclei of Jurkat cells. Recommended concentration: 10µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat
Expected from sequence similarity: Human, Mouse

EB05566 (0.3µg/ml) staining of Human Lymph lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB05566 (1µg/ml) staining of Mouse (A) and (0.3ug/ml) Rat (B) Spleen lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescen

EB05566 Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).