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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06547 - Goat Anti-PAD4 / PADI4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PADI4, PAD, PDI4, PDI5, PADI5, peptidyl arginine deiminase, type IV, protein-arginine deiminase, peptidyl arginine deiminase, type V

Official Symbol: PADI4

Accession Number(s): NP_036519.2

Human GeneID(s): [23569](#)

Immunogen

Peptide with sequence AQGTLIRVTPEQPC, from the N Terminus of the protein sequence according to NP_036519.2.

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 1:64000.

Western blot: Approx 74kDa band observed in Human Spleen lysates (calculated MW of 74.1kDa according to NP_036519.2). In transfected HEK293 transiently expressing PADI4 a band of approx. 75kDa is observed. This band is not observed in the non-transfected HEK293. Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

EB06547 (0.3µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

HEK293 overexpressing PADI4 (RC206501) and probed with EB06547 (mock transfection in first lane), tested by Origene.

EB06547 (5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.