

## UK Office

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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.

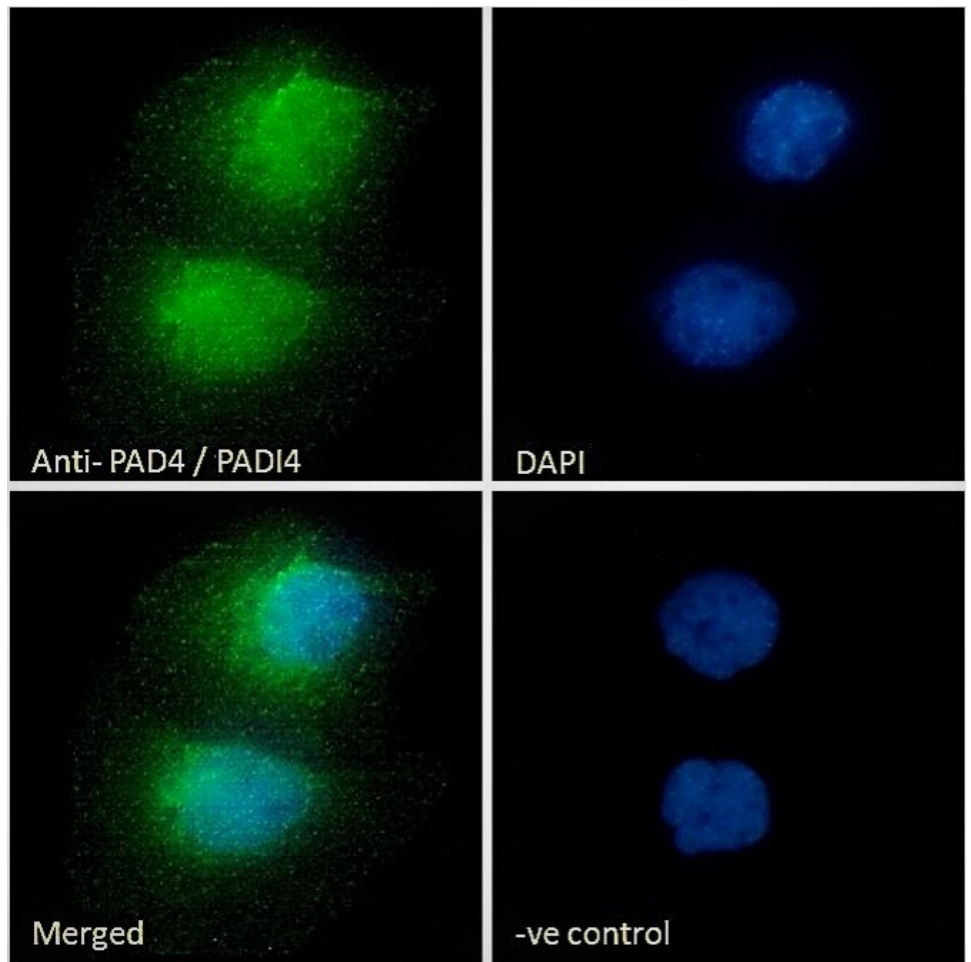
**IHC:** Paraffin embedded Human Spleen. Recommended concentration: 4-6µg/ml.

**Immunofluorescence:** Expression of the protein seen in the nucleus and cytoplasm of HeLa and U2OS cells. Recommended concentration: 10µg/ml.

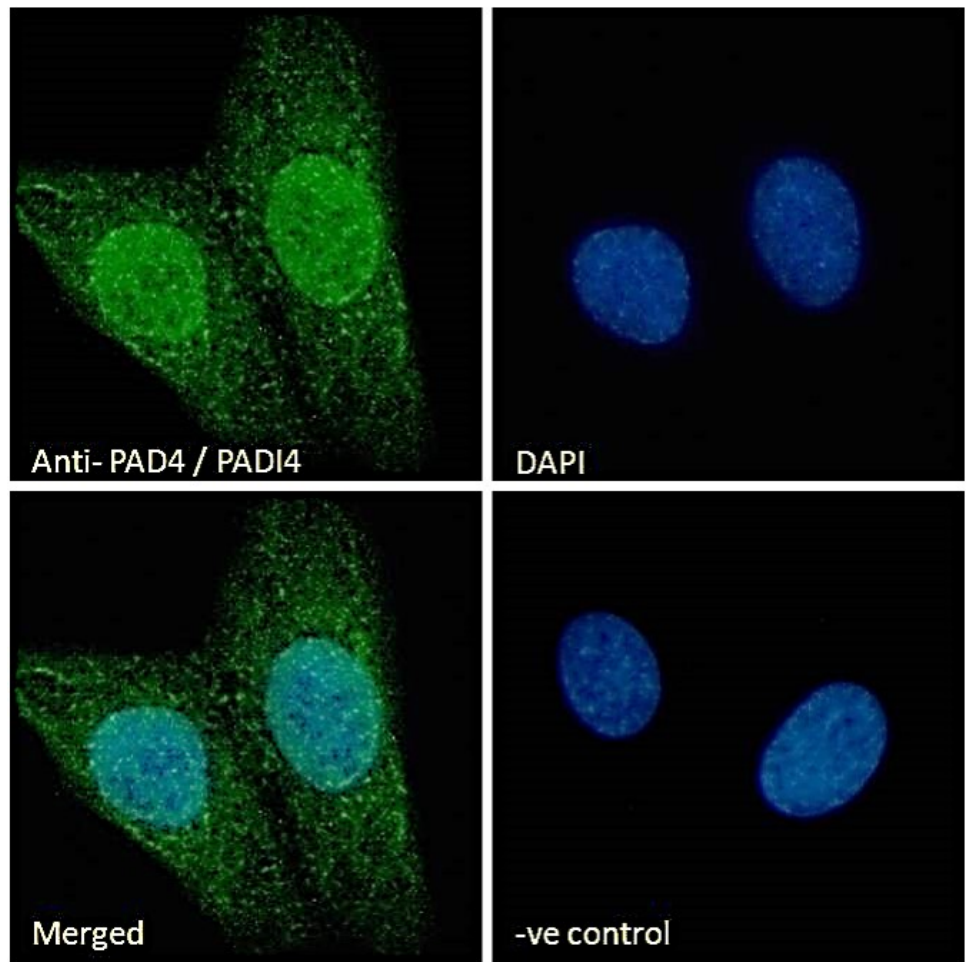
### Species Reactivity

**Tested:** Human

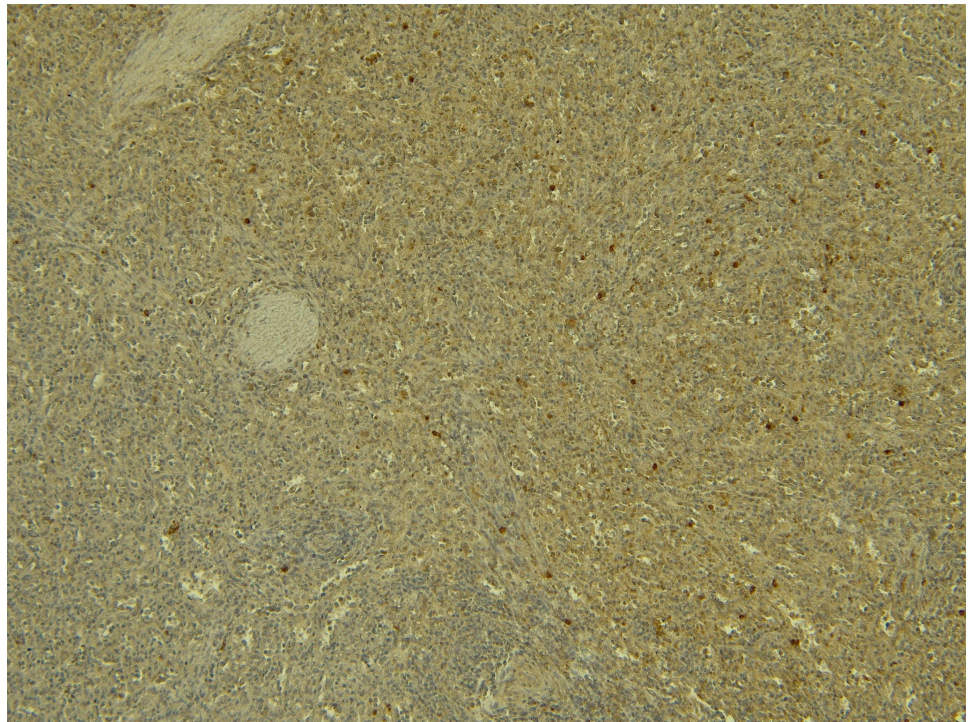
**Expected from sequence similarity:** Human



EB06547 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 nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

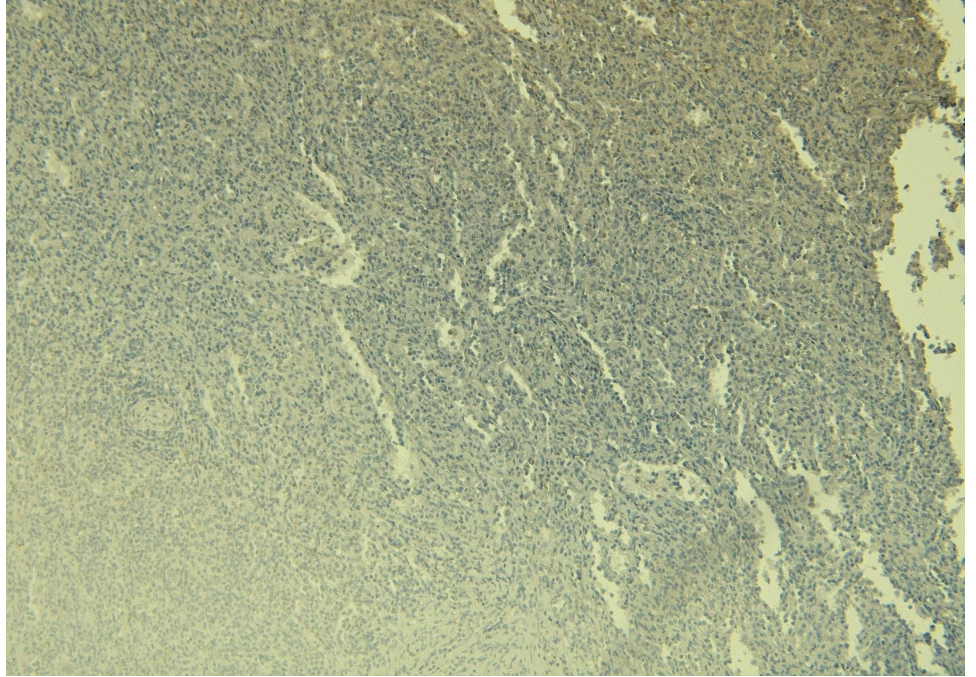


EB06547 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).





EB06547 (4µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06547 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.