

PAD4 Antibody

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

CATALOG NO.: 46-126

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

PAD4 Antibody.

SOURCE:

PAD4 antibody was raised against a synthetic peptide of PAD4.

PROTEIN ACCESSION NUMBER(S) :

NP_036519

SPECIES REACTIVITY:

Human, Chimpanzee

TESTED APPLICATION:

WB, E

APPLICATION:

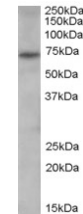
Peptide ELISA: antibody detection limit dilution 1:64,000.
Western Blot: Approx 74kDa band observed in human spleen and human liver lysates (calculated MW of 74.1kDa according to NP_036519). Recommended concentration: 0.3-2µg/ml.

PURIFICATION:

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of PAD4 in human spleen lysate (35µg protein in RIPA buffer) using PAD4 antibody (0.3µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

Wang Y, Wysocka J, Sayegh J, Lee YH, Perlin JR, Leonelli L, Sonbuchner LS, McDonald CH, Cook RG, Dou Y, Roeder RG, Clarke S, Stallcup MR, Allis CD, Coonrod SA. Human PAD4 regulates histone arginine methylation levels via demethylation. Science. 2004 O

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.