



Goat anti-PAD4 / PADI4 Antibody

Item Number	dAP-0562
Target Molecule	Principle Name: PAD4 / PADI4; Official Symbol: PADI4; All Names and Symbols: PADI4; PAD; PDI4; PDI5; PADI5; peptidyl arginine deiminase, type IV; protein-arginine deiminase; peptidyl arginine deiminase, type V; PAD4; HL-60 PAD; PADI-H protein; Accession Number (s): NP_036519.2; Human Gene ID(s): 23569; Non-Human GeneID(s):
Immunogen	AQGTLRVTPEQPC, is from N Terminus
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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
IHC	
Reference	Reference(s): 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 Oct 8;306(5694):279-83. Epub

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**