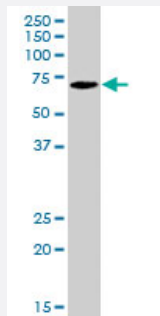


PADI4 polyclonal antibody

Catalog # PAB6703 Size 100 ug

Applications



Western Blot (Tissue lysate)

PADI4 polyclonal antibody (Cat # PAB6703) (0.3 ug/mL) staining of human spleen lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of PADI4.

Immunogen A synthetic peptide corresponding to human PADI4.

Sequence AQGTLIRVTPEQPC

Host Goat

Theoretical MW (kDa) 74

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
ELISA (1:64000)
Western Blot (0.3-2 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PADI4

Entrez GeneID	23569
Protein Accession#	NP_0.36519
Gene Name	PADI4
Gene Alias	PAD, PAD4, PADI5, PDI4, PDI5
Gene Description	peptidyl arginine deiminase, type IV
Omim ID	180300 605347
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in granulocyte and macrophage development leading to inflammation and immune response. [provided by RefSeq]
Other Designations	HL-60 PAD OTTHUMP00000002482 PADI-H protein peptidyl arginine deiminase, type V protein-arginine deiminase

Publication Reference

- [Human PAD4 regulates histone arginine methylation levels via demethylation.](#)

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.

Science 2004 Sep; 306(5694):279.

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