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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54888_P050-HRP
Product Page	www.avivasysbio.com/padi4-antibody-middle-region-hrp-arp54888-p050-hrp.html
Name	PADI4 Antibody - middle region : HRP (ARP54888_P050-HRP)
Protein Size (# AA)	663 amino acids
Molecular Weight	74kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	23569
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Peptidyl arginine deiminase, type IV
Alias Symbols	PAD, PAD4, PDI4, PDI5, PADI5
Peptide Sequence	Synthetic peptide located within the following region: TGGISGLDSFGNLEVSPPVTVRGKEYPLGRILFGDSCYPSNDSRQMHQAL
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Costenbader, K.H., (et) Arthritis Res. Ther. 10 (3), R52 (2008) In press
Description of Target	PADI4 is an enzyme responsible for the conversion of arginine residues to citrulline residues. This protein may play a role in granulocyte and macrophage development leading to inflammation and immune response. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	ANXA4; FBXO25; APP; ING4; ELK1; NPM1; TP53; HDAC2; HIST2H3A; HDAC1; TFF1; HIST4H4; HIST3H3;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-PADI4 (ARP54888_P050-HRP) antibody
Blocking Peptide	For anti-PADI4 (ARP54888_P050-HRP) antibody is Catalog # AAP54888 (Previous Catalog # AAPP31690)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PADI4
Uniprot ID	Q9UM07
Protein Name	Protein-arginine deiminase type-4
Sample Type Confirmation	There is BioGPS gene expression data showing that PADI4 is expressed in 721_B
Protein Accession #	NP_036519
Purification	Affinity Purified
Nucleotide Accession #	NM_012387
Gene Symbol	PADI4
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Sheep, Zebrafish
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 100%; Guinea Pig: 87%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 93%; Rabbit: 86%; Rat: 100%; Sheep: 79%; Zebrafish: 86%
Image 1	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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