

Human Protein-Arginine Deiminase Type-6 (PADI6) ELISA Kit | PADI6 elisa kit

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CATALOG #
AAA331485

REACTIVITY
Human

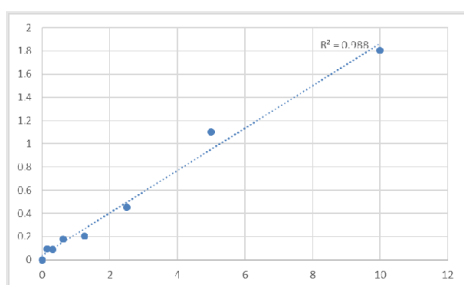
PRODUCT SYNONYMS

Protein-Arginine Deiminase Type-6 (PADI6); Human Protein-Arginine Deiminase Type-6 (PADI6) ELISA Kit; PADI6; Peptidylarginine deiminase type 6; PADI6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein-arginine deiminase type-6 (PADI6) ELISA Kit has high sensitivity and excellent specificity for detection of Human PADI6. No significant cross-reactivity or interference between Human PADI6 and analogues was observed.
Sequence Length	694
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protein-arginine deiminase type-6 (PADI6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PADI6 elisa kit	Description: This Human Protein-arginine deiminase type-6 (PADI6) ELISA Kit employs a two-site sandwich ELISA to quantitate PADI6 in samples. An antibody specific for PADI6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PADI6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PADI6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PADI6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Peptidylarginine deiminases (PADs) convert arginine residues in proteins into citrullines. Peptidylarginine deiminases (PADs, EC 3.5.3.15), including PADI6, make up a family of posttranslational protein modification enzymes that convert arginine residues to citrulline residues in the presence of calcium ions. PADI6, The deduced 694-amino acid protein has a calculated molecular mass of 77.7 kD. RT-PCR detected expression in adult human tissues, including ovary, peripheral blood leukocytes, and testis, with weaker expression in small intestine, spleen, lung, liver, and skeletal muscle. No expression was detected in other tissues examined. The order of the genes is p-telomere--PADI2--PADI1--PADI3--PADI4--PADI6. Mouse Padi6 maps to a syntenic Pad cluster on chromosome 4E1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117414158
NCBI GeneID	353238
NCBI Accession #	NP_997304.3
NCBI GenBank Nucleotide #	NP_997304.3
UniProt Accession #	Q6TGC4
NCBI Official Full Name	protein-arginine deiminase type-6
NCBI Official Synonym Full Names	peptidyl arginine deiminase 6
NCBI Official Symbol	PADI6
NCBI Official Synonym Symbols	hPADVI; PREMBL2
NCBI Protein Information	protein-arginine deiminase type-6
UniProt Protein Name	Protein-arginine deiminase type-6
UniProt Gene Name	PADI6
UniProt Synonym Gene Names	PAD6; hPADVI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/protein-arginine-deiminase-type-6-padi6/331485>