Datasheet for ABIN6145164

anti-PADI2 antibody (AA 1-200)

1 Image

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Overview

Quantity:	100 µL
Target:	PADI2
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PADI2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human PADI2 (NP_031391.2).
Sequence:	MLRERTVRLQ YGSRVEAVYV LGTYLWTDVY SAAPAGAQTF SLKHSEHVWV EVVRDGEAEE VATNGKQRWL LSPSTTLRVT MSQASTEASS DKVTVNYYDE EGSIPIDQAG LFLTAIEISL DVDADRDGVV EKNNPKKASW TWGPEGQGAI LLVNCDRETP WLPKEDCRDE KVYSKEDLKD MSQMILRTKG PDRLPAGYEI
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

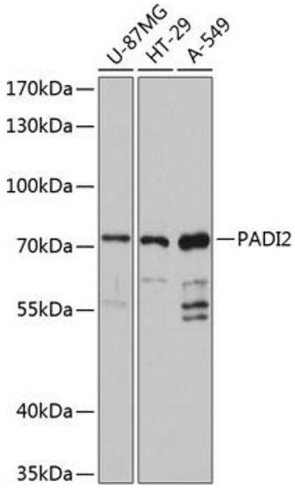
Target:	PADI2
Alternative Name:	PADI2 (PADI2 Products)
Background:	This gene encodes a member of the peptidyl arginine deiminase family of enzymes, which catalyze the post-translational deimination of proteins by converting arginine residues into citrullines in the presence of calcium ions. The family members have distinct substrate specificities and tissue-specific expression patterns. The type II enzyme is the most widely expressed family member. Known substrates for this enzyme include myelin basic protein in the central nervous system and vimentin in skeletal muscle and macrophages. This enzyme is thought to play a role in the onset and progression of neurodegenerative human disorders, including Alzheimer disease and multiple sclerosis, and it has also been implicated in glaucoma pathogenesis. This gene exists in a cluster with four other paralogous genes.,PADI2,PAD-H19,PAD2,PDI2,Epigenetics & Nuclear Signaling,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,PADI2
Molecular Weight:	49 kDa/75 kDa
Gene ID:	11240
UniProt:	Q9Y2J8

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using P antibody (ABIN6128411, ABIN6145164, ABIN6145166 and ABIN6215841) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.