Datasheet for ABIN3015692

anti-PAD4 antibody (AA 1-250)

3 Images

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Overview

Quantity:	500 µL
Target:	PAD4 (PADI4)
Binding Specificity:	AA 1-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-250 of human PADI4 (NP_036519.2).
Sequence:	MAQGTLIRVT PEQPTHAVCV LGTLTQLDIC SSAPEDCTSF SINASPGVVV DIAHGPPAKK KSTGSSTWPL DPGVEVTLTM KVASGSTGDQ KVQISYYGPK TPPVKALLYL TGVEISLCAD ITRTGKVKPT RAVKDQRTWT WGPCGQGAIL LVNCDRDNLE SSAMDCEDDE VLDSEDLQDM SLMTLSTKTP KDFFTNHTLV LHVARSEMDK VRVFQATRGK LSSKCSVVLG PKWPSHYLMV PGGKHNMDFY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

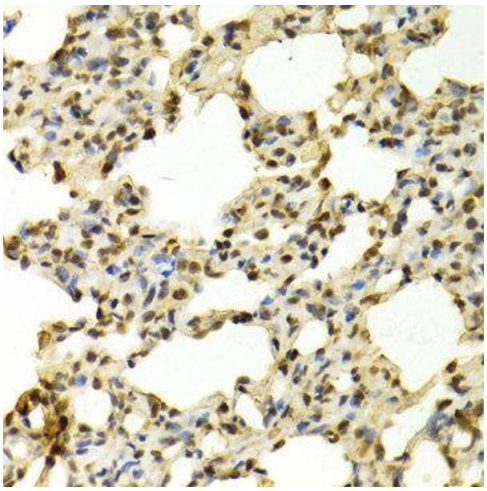
Target:	PAD4 (PADI4)
Alternative Name:	PADI4 (PADI4 Products)
Background:	This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in granulocyte and macrophage development leading to inflammation and immune response.,PADI4,PAD,PAD4,PADI5,PDI4,PDI5,Epigenetics & Nuclear Signaling,Chromatin Modifying Enzymes,Methylation,Cancer,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,PADI4
Molecular Weight:	74 kDa
Gene ID:	23569
UniProt:	Q9UM07

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:20 - 1:50
Restrictions:	For Research Use only

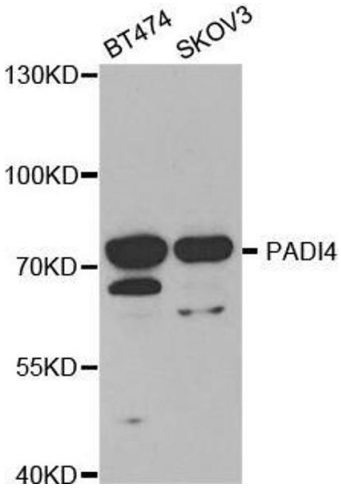
Handling

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.



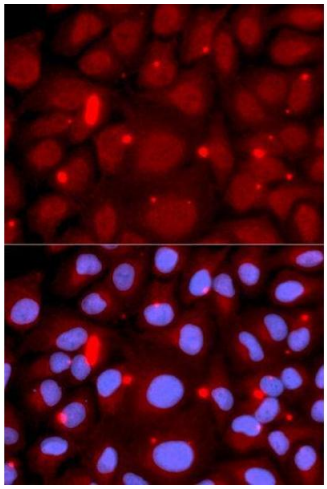
Immunohistochemistry

Image 1.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PADI4 antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of U2OS cell using PADI4 antibody. Blue: DAPI for nuclear staining.

