

Anti-PADI4 / PAD4 antibody ab96758

★★★★★ [2 Abreviews](#) [6 References](#) [5 图像](#)

概述

产品名称	Anti-PADI4 / PAD4抗体
描述	兔多克隆抗体to PADI4 / PAD4
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Recombinant fragment containing a sequence corresponding to a region within amino acids 326-581 of Human PADI4/ PAD4 (AAH25718).
阳性对照	WB: Transfected HEK-293 T whole cell lysate, human spleen tissue extract; IHC-P: Cal27 xenograft and mouse ovary tissue; IF: HeLa cells.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.00</p> <p>Preservative: 0.025% Proclin 300</p> <p>Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

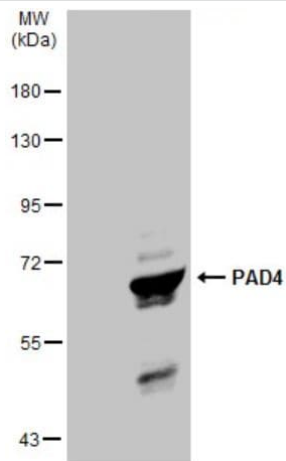
Abpromise™承诺保证使用ab96758于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/500 - 1/10000. Predicted molecular weight: 74 kDa.
IHC-P	★★★★★ (1)	1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

靶标	
功能	Catalyzes the citrullination/deimination of arginine residues of proteins. Citrullinates histone H3 at 'Arg-8' and/or 'Arg-17' and histone H4 at 'Arg-3', which prevents their methylation by CARM1 and HRMT1L2/PRMT1 and represses transcription. Citrullinates EP300/P300 at 'Arg-2142', which favors its interaction with NCOA2/GRIP1.
组织特异性	Expressed in eosinophils and neutrophils, not expressed in peripheral monocytes or lymphocytes.
疾病相关	Genetic variations in PADI4 are a cause of susceptibility to rheumatoid arthritis (RA) [MIM:180300]. It is a systemic inflammatory disease with autoimmune features and a complex genetic component. It primarily affects the joints and is characterized by inflammatory changes in the synovial membranes and articular structures, widespread fibrinoid degeneration of the collagen fibers in mesenchymal tissues, and by atrophy and rarefaction of bony structures. Note=Could have an important role in the pathogenesis of rheumatoid arthritis by increasing citrullination of proteins in rheumatoid arthritis synovial tissues, leading, in a cytokine-rich milieu, to a break in tolerance to citrullinated peptides processed and presented in the appropriate HLA context.
序列相似性	Belongs to the protein arginine deiminase family.
细胞定位	Cytoplasm. Nucleus. Cytoplasmic granule. Cytoplasmic granules of eosinophils and neutrophils.

图片



Western blot - Anti-PADI4 / PAD4 antibody
(ab96758)

All lanes : Anti-PADI4 / PAD4 antibody (ab96758) at 1/5000 dilution

Lane 1 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : PAD4-transfected HEK-293T whole cell lysate

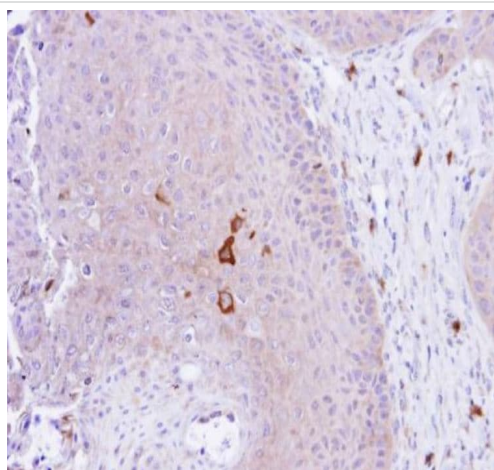
Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 74 kDa

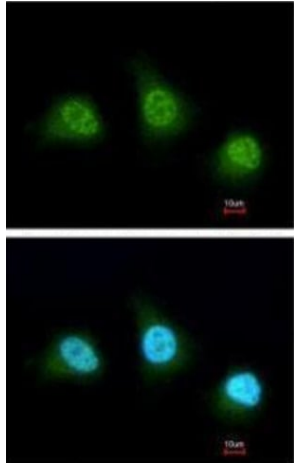
7.5% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PADI4 / PAD4 antibody
(ab96758)

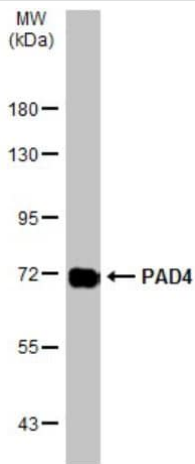
Immunohistochemical analysis of paraffin-embedded Cal27 xenograft tissue staining PADI4/PAD4 with ab96758 at 1/100 dilution.

Antigen Retrieval: EDTA based buffer, pH 8.0, 15min.



Immunocytochemistry/ Immunofluorescence - Anti-PADI4 / PAD4 antibody (ab96758)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) whole cells labeling PADI4/PAD4 with ab96758 at 1/200 dilution.



Western blot - Anti-PADI4 / PAD4 antibody (ab96758)

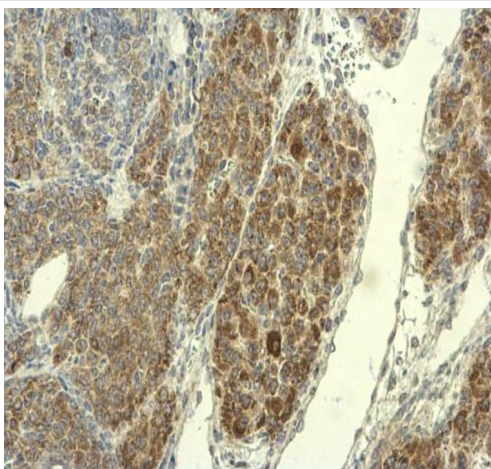
Anti-PADI4 / PAD4 antibody (ab96758) at 1/1000 dilution + Human spleen tissue extract at 30 µg

Secondary

HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 74 kDa

7.5% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PADI4 / PAD4 antibody (ab96758)

Immunohistochemical analysis of paraffin-embedded mouse ovary tissue staining PADI4/PAD4 at cytoplasm with ab96758 at 1/500 dilution.

Antigen Retrieval: EDTA based buffer, pH 8.0, 15min.

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