

Anti-PADI4 / PAD4 antibody [OTI4H5] ab128086

★★★★★ [1 Abreviews](#) [31 References](#) [13 图像](#)

概述

产品名称	Anti-PADI4 / PAD4抗体[OTI4H5]
描述	小鼠单克隆抗体[OTI4H5] to PADI4 / PAD4
宿主	Mouse
经测试应用	适用于: WB, IHC-P, ICC/IF, Flow Cyt (Intra)
种属反应性	与反应: Human, African green monkey
免疫原	Recombinant full length protein, corresponding to amino acids 1-663 of Human PADI4/ PAD4 produced in HEK293T cells (NP_036519).
阳性对照	HEK293T cells transfected with PADI4 / PAD4 , Human breast, Carcinoma of Human lung, Adenocarcinoma of Human ovary, Human pancreas, Adenocarcinoma of Human endometrium, Human prostate, Carcinoma of Human prostate, Carcinoma of Human bladder and Human lymphoma tissues, COS7 cells transiently transfected by pCMV6-ENTRY PADI4 / PAD4 , Hela and Jurkat cells
常规说明	<p>The clone number has been updated from 4H5 to OTI4H5, both clone numbers name the same antibody clone.</p> <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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 1% BSA, 50% Glycerol
纯度	Protein A purified
纯化说明	Purified from TCS

克隆	单克隆
克隆编号	OT4H5
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab128086于以下的经测试应用

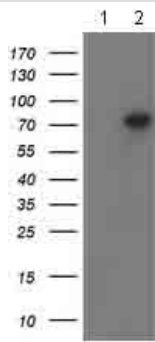
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000. Predicted molecular weight: 74 kDa.
IHC-P	★★★★★ (1)	1/150.
ICC/IF		1/100.
Flow Cyt (Intra)		1/100. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

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-PAD4 / PAD4 antibody [OT14H5] (ab128086)

All lanes : Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086) at 1/2000 dilution

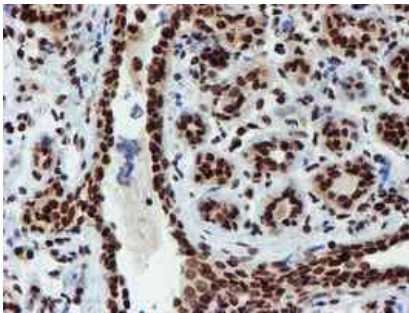
Lane 1 : HEK293T cells transfected with pCMV6-ENTRY control cDNA

Lane 2 : HEK293T cells transfected with pCMV6-ENTRY PAD4 / PAD4 cDNA

Lysates/proteins at 5 µg per lane.

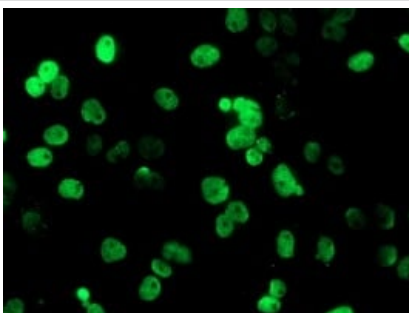
Predicted band size: 74 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC206501)



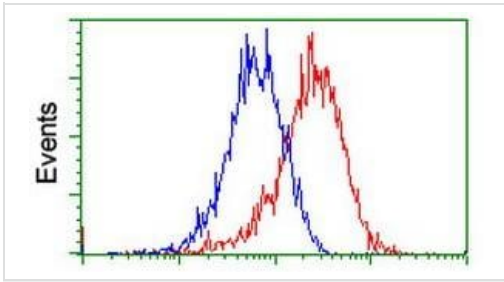
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/150, staining PAD4 / PAD4 in paraffin-embedded Human breast tissue by Immunohistochemistry.



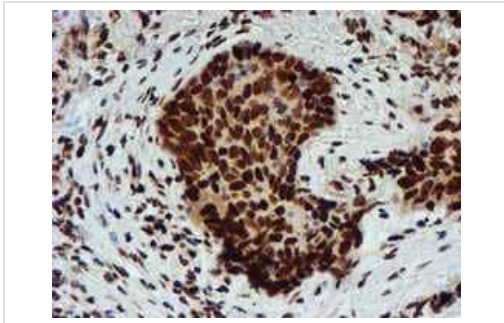
Immunocytochemistry/ Immunofluorescence - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/100, staining COS7 cells transiently transfected by pCMV6-ENTRY PAD4 / PAD4 by Immunofluorescence.



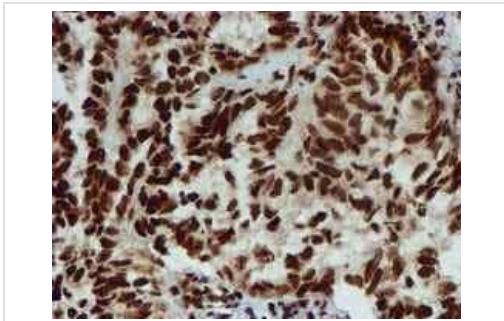
Flow Cytometry (Intracellular) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/100, staining PAD4 / PAD4 in HeLa cells (Red), compared to a nonspecific negative control antibody (Blue), analysed by Flow cytometry (Intracellular).



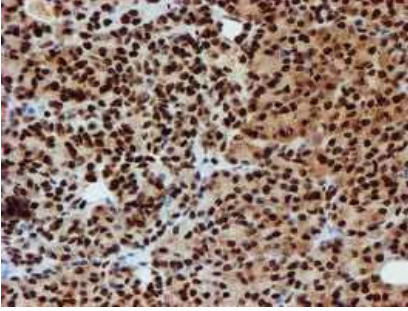
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/150, staining PAD4 / PAD4 in paraffin-embedded carcinoma of Human lung tissue by Immunohistochemistry.



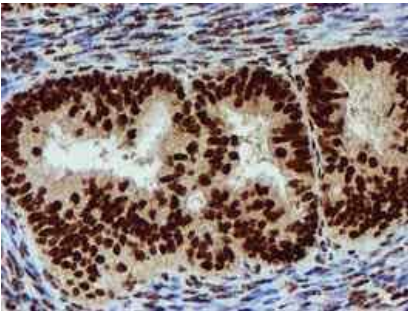
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/150, staining PAD4 / PAD4 in paraffin-embedded Adenocarcinoma of Human ovary tissue by Immunohistochemistry.



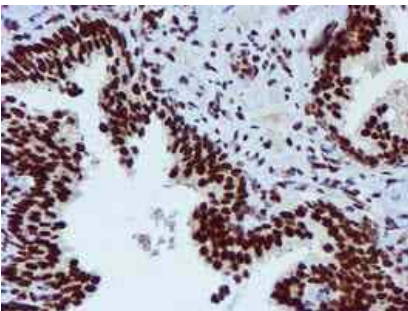
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/150, staining PAD4 / PAD4 in paraffin-embedded Human pancreas tissue by Immunohistochemistry.



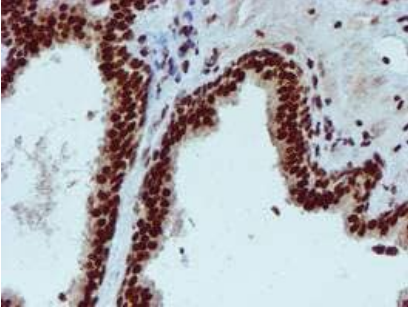
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/150, staining PAD4 / PAD4 in paraffin-embedded Adenocarcinoma of Human endometrium tissue by Immunohistochemistry.



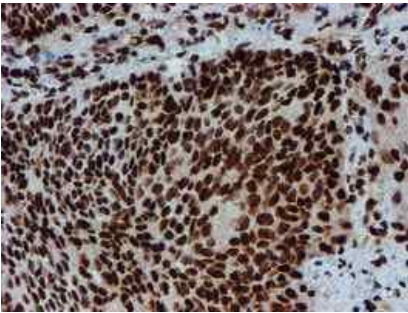
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/150, staining PAD4 / PAD4 in paraffin-embedded Human prostate tissue by Immunohistochemistry.



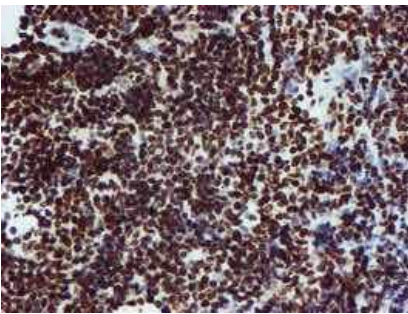
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/150, staining PAD4 / PAD4 in paraffin-embedded Carcinoma of Human prostate tissue by Immunohistochemistry.



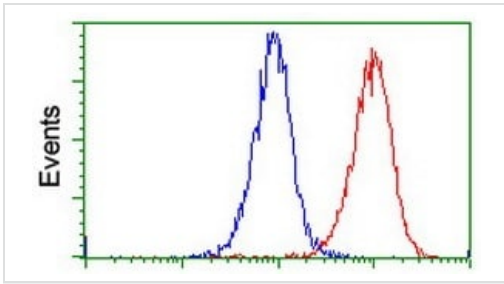
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/150, staining PAD4 / PAD4 in paraffin-embedded Carcinoma of Human bladder tissue by Immunohistochemistry.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAD4 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/150, staining PAD4 / PAD4 in paraffin-embedded Human lymphoma tissue by Immunohistochemistry.



Flow Cytometry (Intracellular) - Anti-PAD14 / PAD4 antibody [OT14H5] (ab128086)

ab128086, at a dilution of 1/100, staining PAD14 / PAD4 in Jurkat cells (Red), compared to a nonspecific negative control antibody (Blue), analysed by Flow cytometry (Intracellular).

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