

# Anti-PADI4 / PAD4 antibody ab50247

[2 Abreviews](#) [22 References](#)

### 製品の概要

製品名	Anti-PADI4 / PAD4 antibody
製品の詳細	Rabbit polyclonal to PADI4 / PAD4
由来種	Rabbit
特異性	This antibody reacts specifically with the 74 kDa PADI4 / PAD4 protein. It shows no cross reactivity with the other isoforms.
アプリケーション	<b>適用あり:</b> ELISA, IP, ICC/IF, WB
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide corresponding to Human PADI4/ PAD4 (N terminal). Database link: <a href="#">Q9UM07</a> (Peptide available as <a href="#">ab156172</a> )
特記事項	<p>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result, we are pleased to offer this antibody in a purified format as of 18th July 2017. The following lots is/are still unpurified and still in stock as of 18th July 2017 - GR316454-5, GR316454-6, GR316454-7, GR316454-8, GR316454-9, GR316454-10. Lot numbers other than GR316454-5, GR316454-6, GR316454-7, GR316454-8, GR316454-9, GR316454-10 will be purified. Please note that the dilutions may need to be adjusted accordingly. <u>Purified antibodies have the advantage of being enriched for the fraction of immunoglobulin that specifically reacts with the target antigen and for having a reduction of serum proteins.</u></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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Constituents: 1.21% Tris, 2% Sucrose, 0.75% Glycine

精製度	Protein A purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

## アプリケーション

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アプリケーション	Abreviews	特記事項
ELISA		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.

## ターゲット情報

機能	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.
組織特異性	Expressed in eosinophils and neutrophils, not expressed in peripheral monocytes or lymphocytes.
関連疾患	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.
配列類似性	Belongs to the protein arginine deiminase family.
細胞内局在	Cytoplasm. Nucleus. Cytoplasmic granule. Cytoplasmic granules of eosinophils and neutrophils.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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