

### Anti-MICA antibody ab62540

★★★★★ [2 Abreviews](#) [7 References](#) [画像数 3](#)

#### 製品の概要

製品名	Anti-MICA antibody
製品の詳細	Rabbit polyclonal to MICA
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P
種交差性	<b>交差種:</b> Mouse, Human
免疫原	A 16 amino acid peptide from near the carboxy terminus of human MICA.
ポジティブ・コントロール	IHC-P: Human colon and atheromatous aorta tissue. WB: A-20 cell lysate.
特記事項	<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). Store at +4°C.
バッファー	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

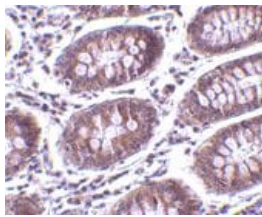
#### アプリケーション

**The Abpromise guarantee**      **Abpromise保証は、**次のテスト済みアプリケーションにおけるab62540の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 46 kDa (predicted molecular weight: 43 kDa). <b>WB only validated in mouse samples</b>
IHC-P	★★★★★ (1)	Use a concentration of 10 µg/ml.

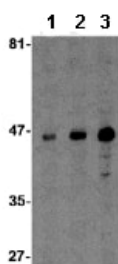
## ターゲット情報

機能	Seems to have no role in antigen presentation. Acts as a stress-induced self-antigen that is recognized by gamma delta T-cells. Ligand for the KLRK1/NKG2D receptor. Binding to KLRK1 leads to cell lysis.
組織特異性	Widely expressed with the exception of the central nervous system where it is absent. Expressed predominantly in gastric epithelium and also in monocytes, keratinocytes, endothelial cells, fibroblasts and in the outer layer of Hassal's corpuscles within the medulla of normal thymus. In skin, expressed mainly in the keratin layers, basal cells, ducts and follicles. Also expressed in many, but not all, epithelial tumors of lung, breast, kidney, ovary, prostate and colon. In thymomas, overexpressed in cortical and medullary epithelial cells. Tumors expressing MICA display increased levels of gamma delta T cells.
関連疾患	Note=Anti-MICA antibodies and ligand shedding are involved in the progression of monoclonal gammopathy of undetermined significance (MGUS) to multiple myeloma. Genetic variations in MICA may be a cause of susceptibility to psoriasis type 1 (PSORS1) [MIM:177900]. Psoriasis is a common, chronic inflammatory disease of the skin with multifactorial etiology. It is characterized by red, scaly plaques usually found on the scalp, elbows and knees. These lesions are caused by abnormal keratinocyte proliferation and infiltration of inflammatory cells into the dermis and epidermis. Genetic variation in MICA is a cause of susceptibility to psoriatic arthritis (PSORAS) [MIM:607507]. PSORAS is an inflammatory, seronegative arthritis associated with psoriasis. It is a heterogeneous disorder ranging from a mild, non-destructive disease to a severe, progressive, erosive arthropathy. Five types of psoriatic arthritis have been defined: asymmetrical oligoarthritis characterized by primary involvement of the small joints of the fingers or toes; asymmetrical arthritis which involves the joints of the extremities; symmetrical polyarthritis characterized by a rheumatoidlike pattern that can involve hands, wrists, ankles, and feet; arthritis mutilans, which is a rare but deforming and destructive condition; arthritis of the sacroiliac joints and spine (psoriatic spondylitis).
配列類似性	Belongs to the MHC class I family. MIC subfamily. Contains 1 Ig-like C1-type (immunoglobulin-like) domain.
翻訳後修飾	N-glycosylated. Glycosylation is not essential for interaction with KLRK1/NKG2D but enhances complex formation. Proteolytically cleaved and released from the cell surface of tumor cells which impairs KLRK1/NKG2D expression and T-cell activation.
細胞内局在	Cell membrane. Cytoplasm. Expressed on the cell surface in gastric epithelium, endothelial cells and fibroblasts and in the cytoplasm in keratinocytes and monocytes. Infection with human adenovirus 5 suppresses cell surface expression due to the adenoviral E3-19K protein which causes retention in the endoplasmic reticulum.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MICA antibody (ab62540)

ab62540 at 10µg/ml staining MICA in human colon tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin-embedded tissue sections).



Western blot - Anti-MICA antibody (ab62540)

**Lane 1 :** Anti-MICA antibody (ab62540) at 0.5 µg/ml

**Lane 2 :** Anti-MICA antibody (ab62540) at 1 µg/ml

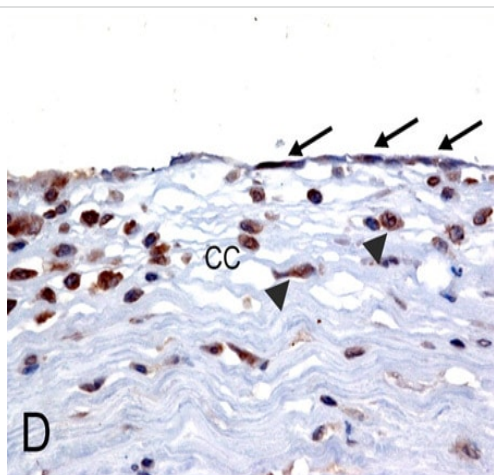
**Lane 3 :** Anti-MICA antibody (ab62540) at 2 µg/ml

**All lanes :** A-20 cell lysate

Lysates/proteins at 15 µg per lane.

**Predicted band size:** 43 kDa

**Observed band size:** 46 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MICA antibody (ab62540)

Image from Lin D et al., J Biol Chem. 2012 Feb 3;287(6):4299-310. Epub 2011 Dec 14. Fig 4.; doi: 10.1074/jbc.M111.282152; February 3, 2012 The Journal of Biological Chemistry, 287, 4299-4310.

Immunohistochemical analysis of formalin-fixed paraffin-embedded Human atheromatous aorta, staining MICA with ab62540.

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