

Datasheet for ABIN728788
anti-MICA antibody (AA 120-170)

3 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	MICA
Binding Specificity:	AA 120-170
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MICA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MICA
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	MICA
Alternative Name:	MICA (MICA Products)
Background:	Synonyms: MIC-A, PERB11.1, MHC class I polypeptide-related sequence A, MICA

Target Details

Background: 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.

Gene ID: 100507436

UniProt: [Q29983](#)

Pathways: [Activation of Innate immune Response](#), [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: WB 1:100-1000
IHC-P 1:100-500
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

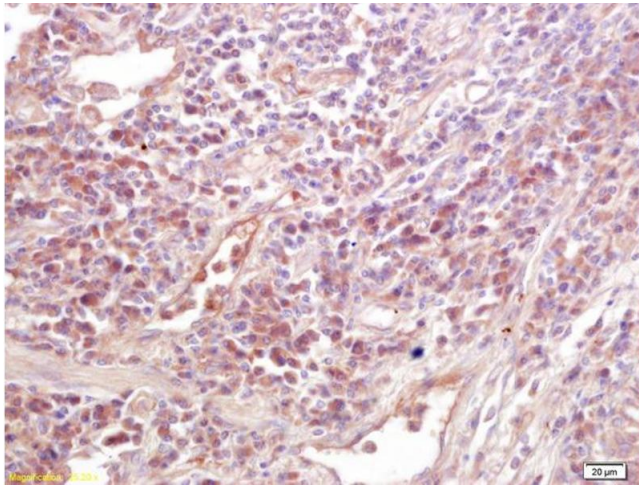
Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months

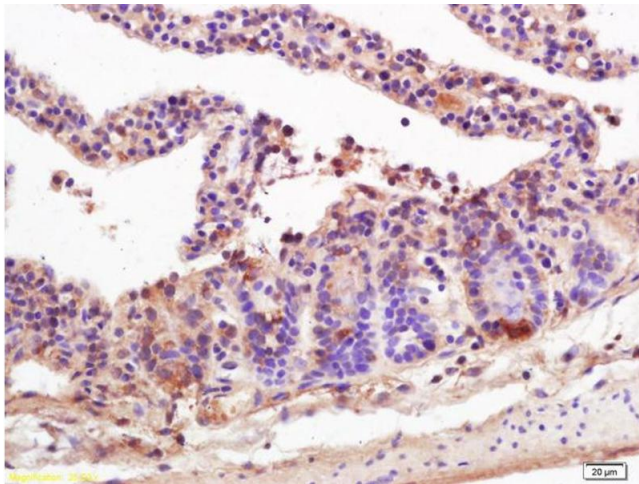
Publications

Product cited in: Chen, Zhidan, Xia, Zhaoxia, Qing, Qiang, Haipeng, Hengxiao: "Scorpion venom activates natural killer cells in hepatocellular carcinoma via the NKG2D-MICA pathway." in: **International immunopharmacology**, Vol. 35, pp. 307-14, (2016) ([PubMed](#)).



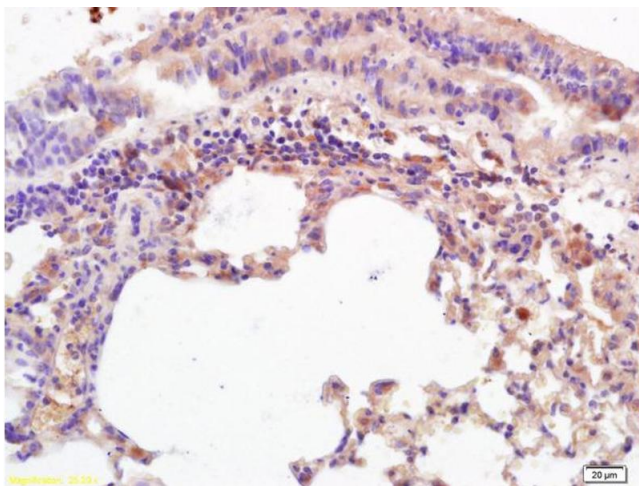
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-MICA/MHC I a Polyclonal Antibody, Unconjugated (ABIN728788) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse intestine labeled with Anti-MICA/MHC I a Polyclonal Antibody, Unconjugated (ABIN728788) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded mouse lung labeled with Anti-MICA/MHC I a Polyclonal Antibody, Unconjugated (ABIN728788) at 1:200 followed by conjugation to the secondary antibody and DAB staining.