Datasheet for ABIN652566

anti-MICA antibody (AA 68-97)

7 Images | 2 Publications

Go to Product page

Overview

Quantity:	400 µL
Target:	MICA
Binding Specificity:	AA 68-97
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MICA antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MICA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-97 amino acids from the Central region of human MICA.
Clone:	RB21777
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MICA
Alternative Name:	MICA (MICA Products)

Target Details

Background:	MICA is the higly polymorphic MHC (HLA) class I chain-related gene A. The protein product is expressed on the cell surface, although unlike canonical class I molecules does not seem to associate with beta-2-microglobulin. It is thought that MICA functions as a stress-induced antigen that is broadly recognized by intestinal epithelial gamma delta T cells.
Molecular Weight:	42915
Gene ID:	4276
NCBI Accession:	NP_000238
UniProt:	Q29983
Pathways:	Activation of Innate immune Response, Transition Metal Ion Homeostasis, Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	IF: 1:25. IF: 1:25. WB: 1:2000. WB: 1:2000. WB: 1:2000. WB: 1:2000. WB: 1:1000
Restrictions:	For Research Use only

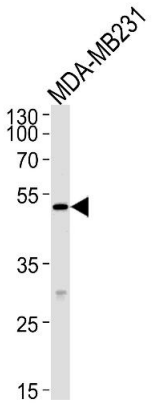
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

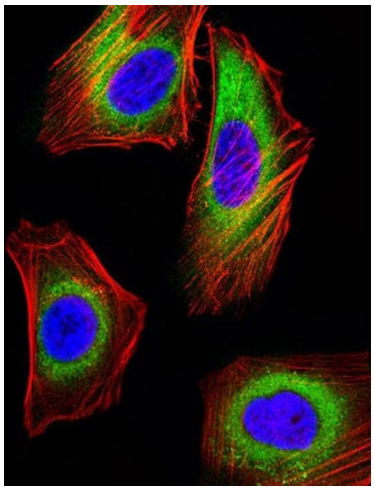
Product cited in:	He, Yang, Li: "The clinical pathological significance of Thy1 and CD49f expression in chondrosarcomas." in: **Pathology, research and practice**, Vol. 212, Issue 7, pp. 636-42, (2017) (PubMed).

Images



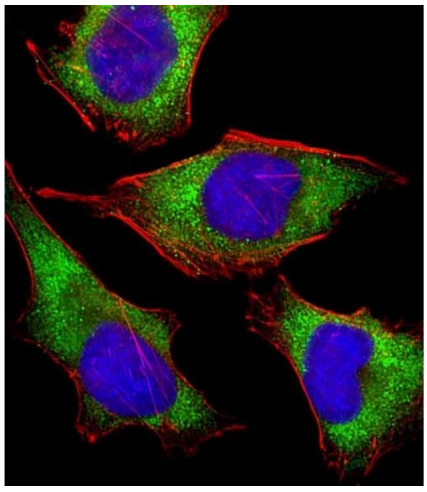
Western Blotting

Image 1. MICA Antibody (Center) (ABIN652566 and ABIN2842381) western blot analysis in MDA-MB-231 cell line lysates (35 µg/lane).This demonstrates the MICA antibody detected the MICA protein (arrow).



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized Hela (Human Cervical epithelial adenocarcinoma cell line) cells labeling MICA with (ABIN652566 and ABIN2842381) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on Hela cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DI (blue).



Immunofluorescence

Image 3. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling MICA with (ABIN652566 and ABIN2842381) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at

1/100 dilution (red).The nuclear counter stain is DI (blue).

Please check the product details page for more images. Overall 7 images are available for ABIN652566.