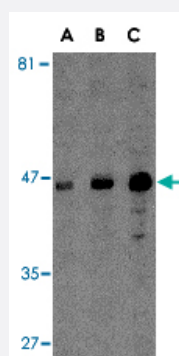


MICA polyclonal antibody

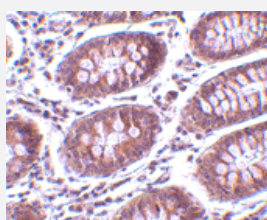
Catalog # PAB13003 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of MICA in A-20 cell lysate with MICA polyclonal antibody (Cat # PAB13003) at (A) 0.5, (B) 1 and (C) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of MICA in human colon tissue with MICA polyclonal antibody (Cat # PAB13003) at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MICA.
Immunogen	A synthetic peptide corresponding to C-terminus 16 amino acids of human MICA.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for up to one year. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of MICA in A-20 cell lysate with MICA polyclonal antibody (Cat # PAB13003) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of MICA in human colon tissue with MICA polyclonal antibody (Cat # PAB13003) at 10 ug/mL .

Gene Info — MICA

Entrez GeneID	4276
Protein Accession#	NP_000238
Gene Name	MICA
Gene Alias	FLJ60820, MGC111087, PERB11.1
Gene Description	MHC class I polypeptide-related sequence A
Omim ID	600169
Gene Ontology	Hyperlink
Gene Summary	MICA encodes the highly 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. [provided by RefSeq]
Other Designations	HLA class I antigen MHC class I chain-related gene A protein MHC class I chain-related protein A OTTHUMP00000029088 OTTHUMP00000035033 OTTHUMP00000035034 Stress inducible class I homolog

Publication Reference

- [NKG2D engagement of colorectal cancer-specific T cells strengthens TCR-mediated antigen stimulation and elicits TCR independent anti-tumor activity.](#)

Maccalli C, Pende D, Castelli C, Mingari MC, Robbins PF, Parmiani G.

European Journal of Immunology 2003 Jul; 33(7):2033.

Application: Flow Cyt, Func, Human, T cells

- [Activation of NK cells and T cells by NKG2D, a receptor for stress-inducible MICA.](#)

Bauer S, Groh V, Wu J, Steinle A, Phillips JH, Lanier LL, Spies T.

Science 1999 Jul; 285(5428):727.

Application: Flow Cyt, Func, IP, Human, Mouse, Ba/F3, Jurkat cells, Nature killer cells

- [A second lineage of mammalian major histocompatibility complex class I genes.](#)

Bahram S, Bresnahan M, Geraghty DE, Spies T.

PNAS 1994 Jul; 91(14):6259.

Pathway

- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Abortion](#)
- [Addison Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Autoimmune polyglandular syndrome](#)
- [Behcet Syndrome](#)

- [Bile Duct Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Brucellosis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chlamydia Infections](#)
- [Cholangiocarcinoma](#)
- [Cholangitis](#)
- [Cholelithiasis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Cytomegalovirus Infections](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Edema](#)
- [Eye Infections](#)

- [Fallopian Tube Diseases](#)
- [Familial Mediterranean fever](#)
- [Flaviviridae Infections](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hepatitis C](#)
- [Histoplasmosis](#)
- [HIV Infections](#)
- [Idiopathic Pulmonary Fibrosis](#)
- [Infertility](#)
- [Inflammatory Bowel Diseases](#)
- [Leprosy](#)
- [Leukemia](#)
- [Lung Diseases](#)
- [Lupus Erythematosus](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Mixed Connective Tissue Disease](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Mycobacterium avium-intracellulare Infection](#)
- [Nasopharyngeal Neoplasms](#)
- [Nutrition Disorders](#)
- [Obesity](#)
- [Oral Submucous Fibrosis](#)
- [Papillomavirus Infections](#)

- [Peripheral Vascular Diseases](#)
- [Polyendocrinopathies](#)
- [Psoriasis](#)
- [Purpura](#)
- [Retinal Diseases](#)
- [Skin Neoplasms](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Syndrome](#)
- [Temporal Arteritis](#)
- [Thyroiditis](#)
- [Tumor Virus Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Uveal Neoplasms](#)