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Product datasheet for TA306443

MICA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	MICA antibody was raised against a 16 amino acid peptide from near the carboxy terminus of human MICA.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	MHC class I polypeptide-related sequence A
Database Link:	NP_000238 Q29983
Background:	Major histocompatibility complex (MHC) class I proteins are ubiquitously expressed and mediate the recognition of intracellular antigens by cytotoxic T cells. A related family, termed the MHC class I chain-related (MIC) proteins are recognized by NKG2D, a receptor on NK and T cells, and promote anti-tumor activity. MICA, a member of the MIC family, is widely expressed on many tumors, and it is the MICA/NKG2D interaction that is thought to stimulate the anti-tumor reactivity by T lymphocytes. Both MICA and MICB mRNA are widely expressed in normal tissues, with MICA being present in virtually every tissue except the nervous system, suggesting that MIC protein expression may only be one component of the anti-tumor activity of the immune system.

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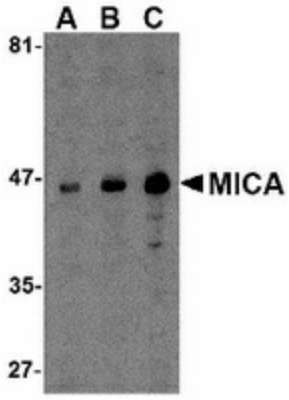
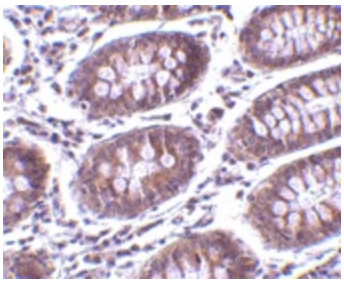
Synonyms: MIC-A; PERB11.1

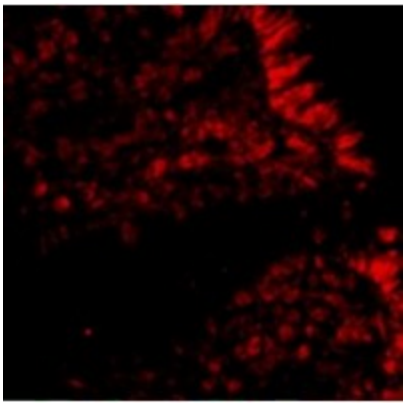
Product images:



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



Immunohistochemistry of MICA in human colon tissue with MICA antibody at 10 ug/ml.



Immunofluorescence of MICA in Human Colon tissue with MICA antibody at 20 ug/mL.