BT LAB
Bioassay Technology Laboratory

Optimize Your Research

MIA Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05402
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MIA. AA range:82-131
Mol wt	14509
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	MIA Antibody
Synonyms	MIA; Melanoma-derived growth regulatory protein; Melanoma inhibitory activity protein

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Tumorigenesis is a process that is mediated by a network of membrane, cytosolic and nuclear associated factors, which regulate proliferation and cell-matrix interaction through signaling cascades. The phenotype of malignant melanomas in vivo depends on the global expression of stimulatory or inhibitory factors generated in both the tumors cells and their environment. One example, Melanoma inhibitory activity (cartilage-derived retinoic acid-sensitive protein (CD-RAP), MIA) is a Src homology 3 (SH3)-like domain containing protein that is secreted from chondrocytes and malignant melanoma cells. MIA is translated as a 131-amino acid pro-form and processed into a mature 107-amino acid protein after cleavage of a secretion signal. MIA is expressed during chondrogenesis and in mature chondrocytes, suggesting that MIA is necessary for normal cartilage cell phenotype. MIA mRNA is present in carcinomas of the colon, ovary, kidney, and head/neck, and may represent a marker to monitor melanomic activity.

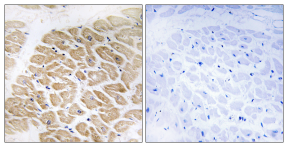
Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using MIA Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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