

Datasheet for ABIN181672 **anti-MIA antibody**



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	MIA
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MIA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (> 98%) recombinant Human MIA
Specificity:	This antibody detects MIA.
Purification:	Immunoaffinity Chromatography.

Target Details

Target:	MIA
Alternative Name:	MIA (MIA Products)
Background:	Melanoma Inhibitory Activity (MIA) was originally identified as an inhibitor of the in vitro growth of malignant melanoma cells. It was the first discovered member of a family of secreted cytokines termed the MIA/OTOR family. The four known members of this family, Melanoma Inhibitory Activity, MIA2, OTOR and TANGO each contain a Src homology-3 (SH3)-like domain.

Target Details

Melanoma Inhibitory Activity is an autocrine growth regulatory protein secreted from chondrocytes and malignant melanoma cells that promotes melanoma metastasis by binding competitively to fibronectin and laminin in a manner that results in melanoma cell detachment from the extracellular matrix in vivo. Elevated levels of Melanoma Inhibitory Activity may represent a clinically useful marker for diagnosis of melanoma metastasis as well as a potential marker for rheumatoid arthritis. Synonyms: Melanoma inhibitory activity, Melanoma-derived growth regulatory protein

Gene ID:	8190
NCBI Accession:	NP_001189482
UniProt:	Q16674

Application Details

Application Notes: Immunohistochemistry: This antibody stained formalin-fixed paraffin-embedded sections of human pancreas infiltrating ductal adenocarcinoma tissue. The recommended concentration is 1.0-2.0 µg/mL with an overnight incubation at 4 °C. An HRP-labeled polymer detection system was used with an alcohol-soluble AEC chromogen. Optimal results for these conditions were achieved with heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer enzyme induced antigen retrieval with proteinase K at room temperature.

Optimal conditions may vary. Tissue samples were provided by the Cooperative Human Tissue Network which is funded by the National Cancer Institute. Indirect ELISA: To detect Human MIA (using 100 µL/well antibody solution) a concentration of 0.5-2.0 µg/mL of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human MIA. Sandwich ELISA: To detect Human MIA (using 100 µL/well antibody solution) a concentration of 0.5-2.0 µg/mL of this antibody is required. In conjunction with Biotinylated Anti-Human MIA (ABIN181670 or ABIN181669) as a Detection antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human MIA. Western blot: To detect Human MIA this antibody can be used at a concentration of 0.1-0.2

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Reconstitution:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS, pH 7.2 without preservatives.
Preservative:	Without preservative

Handling

Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2-8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C.
Expiry Date:	6 months