

MIIP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58329**Specification****MIIP Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q5JXC2
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MIIP
Epitope Specificity	251-350/388
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Interacts with IGFBP2.
Post-translational modifications	Isoform 2 is degraded by the ubiquitin-proteasome pathway.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

MIIP has 3 SEG (segments of low compositional complexity) domains, an RGD motif, and several potential phosphorylation sites. The C-terminal region of IGFBP2 interacts with a central 44-amino acid sequence of MIIP. MIIP inhibits glioma cells invasion and down-regulates adhesion- and motility-associated genes such as NFKB2 and ICAM1. It exhibits opposing effects to IGFBP2 on cell invasion. There are 2 named isoforms due to alternative splicing. Isoform 1 is expressed in brain but underexpressed in glioma tissues, at protein level. Isoform 2 is not detected in normal organs, but is expressed in gliomas with increasing levels with glioma progression. On the contrary, at protein level, isoform 2 is not detected in gliomas, suggesting that this isoform is unstable in glioma cells. Isoform 2 is degraded by the ubiquitin-proteasome pathway.

MIIP Polyclonal Antibody - Additional Information**Gene ID 60672****Other Names**

Migration and invasion-inhibitory protein, IGFBP2-binding protein, Invasion-inhibitory protein 45, IIp45, MIIP, IIP45

Target/Specificity

Ubiquitous. Isoform 1 is expressed in brain but underexpressed in glioma tissues, at protein level.

Isoform 2 is not detected in normal organs, but is expressed in gliomas with increasing levels with glioma progression. On the contrary, at protein level, isoform 2 is not detected in gliomas, suggesting that this isoform is unstable in glioma cells.

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MIIP Polyclonal Antibody - Protein Information

Name MIIP

Synonyms IIP45

Function

Inhibits glioma cells invasion and down-regulates adhesion- and motility-associated genes such as NFKB2 and ICAM1. Exhibits opposing effects to IGFBP2 on cell invasion.

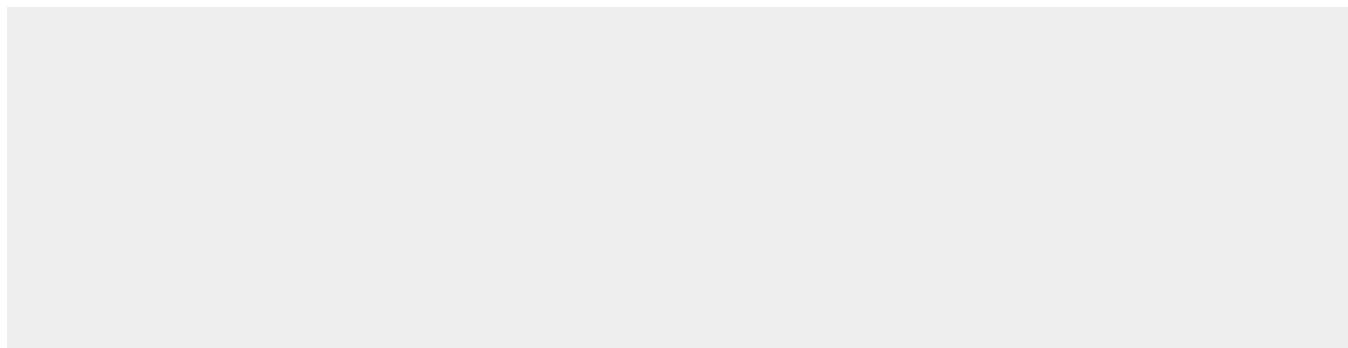
Tissue Location

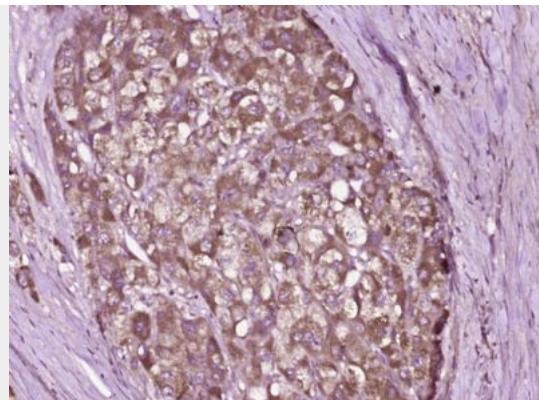
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MIIP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MIIP Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MIIP) Polyclonal Antibody, Unconjugated (bs-5842R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.