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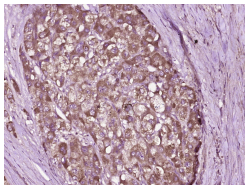
MIIP Rabbit pAb

Catalog Number:	bs-5842R
Target Protein:	MIIP
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human (predicted:Mouse, Rat, Rabbit, Cow, Dog, Horse)
Predicted MW:	43 kDa
Subcellular Locations:	Cytoplasm ,Nucleus
Entrez Gene:	60672
Swiss Prot:	Q5JXC2
Source:	KLH conjugated synthetic peptide derived from human MIIP: 251-350/388.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	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.

VALIDATION 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) instructionsand DAB staining.