

## Anti-MIIP Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 43 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (Human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MIIP) Polyclonal Antibody, Unconjugated (TMAB-08821) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human MIIP
Antigen Species:	Human
Gene ID:	60672
Uniprot ID:	Q5JXC2

## Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481