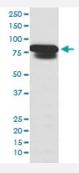


## PIAS1 monoclonal antibody, clone ABFA-16

Catalog # MAB20594 Size 100 uL

### **Applications**



### Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate using PIAS1 monoclonal antibody, clone ABFA-16.

Specification	
Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PIAS1.
Immunogen	A synthetic peptide corresponding to human PIAS1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	lgG
Recommend Usage	Flow Cytometry (1:50) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).



### **Product Information**

Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

# Applications

- Western Blot (Cell lysate)
  - Western Blot analysis of HepG2 cell lysate using PIAS1 monoclonal antibody, clone ABFA-16.
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — PIAS1		
Entrez GenelD	<u>8554</u>	
Protein Accession#	<u>075925</u>	
Gene Name	PIAS1	
Gene Alias	DDXBP1, GBP, GU/RH-II, MGC141878, MGC141879, ZMIZ3	
Gene Description	protein inhibitor of activated STAT, 1	
Omim ID	603566	
Gene Ontology	<u>Hyperlink</u>	
Gene Summary	This gene encodes a member of the mammalian PIAS [protein inhibitor of activated STAT-1 (sign all transducer and activator of transcription-1)] family. This member contains a putative zinc-bindin g motif and a highly acidic region. It inhibits STAT1-mediated gene activation and the DNA bindin g activity, binds to Gu protein/RNA helicase II/DEAD box polypeptide 21, and interacts with andro gen receptor (AR). It functions in testis as a nuclear receptor transcriptional coregulator and may h ave a role in AR initiation and maintenance of spermatogenesis. [provided by RefSeq	



### **Product Information**

**Other Designations** 

AR interacting protein|DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1|protein inhibitor of ac tivated STAT-1|zinc finger, MIZ-type containing 3

## Pathway

- Jak-STAT signaling pathway
- Pathways in cancer
- Small cell lung cancer
- <u>Ubiquitin mediated proteolysis</u>

#### Disease

Multiple Sclerosis