



# GBP2 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-06611
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	GBP2
<b>Protein Name</b>	Interferon-induced guanylate-binding protein 2 (GTP-binding protein 2) (GBP-2) (HuGBP-2) (Guanine nucleotide-binding protein 2)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 160-240
<b>Specificity</b>	GBP2 Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	65kD
<b>Cell Pathway</b>	Cytoplasm . Cytoplasm, perinuclear region . Golgi apparatus membrane . Membrane; Lipid-anchor . Cytoplasmic vesicle . GBP2-GBP5 dimers localize to the Golgi apparatus. .
<b>Tissue Specificity</b>	Foreskin,Lung,Skin,Spinal cord,Thymus,
<b>Function</b>	function: Binds GTP, GDP and GMP. Hydrolyzes GTP very efficiently; GDP rather than GMP is the major reaction product.,induction: By interferon gamma during macrophage activation.,similarity: Belongs to the GBP family.,
<b>Background</b>	This gene belongs to the guanine-binding protein (GBP) family, which includes interferon-induced proteins that can bind to guanine nucleotides (GMP, GDP and GTP). The encoded protein is a GTPase which hydrolyzes GTP, predominantly to GDP. The protein may play a role as a marker of squamous cell carcinomas. [provided by RefSeq, Jul 2013],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**