

For Research Use Only

# GMPR 1/2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86918-1-PBS



## Basic Information

<b>Catalog Number:</b> 86918-1-PBS	<b>GenBank Accession Number:</b> BC008281	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2766	<b>CloneNo.:</b> 251923G7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P36959	
<b>Isotype:</b> IgG	<b>Full Name:</b> guanosine monophosphate reductase	
<b>Immunogen Catalog Number:</b> AG8185	<b>Calculated MW:</b> 345 aa, 37 kDa	
	<b>Observed MW:</b> 37-40 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

GMPR (Guanosine monophosphate reductase) catalyzes the irreversible NADPH-dependent reductive deamination of guanosine monophosphate (GMP) to inosine monophosphate (IMP). GMPR is able to convert guanosine nucleotides to the pivotal precursor of both guanine (G) and adenine (A) nucleotides. It plays an important role in maintaining the intracellular balance of A and G nucleotides. This antibody can recognize both GMPR1 and GMPR2 due to the high homology.

## Storage

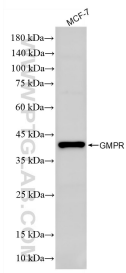
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

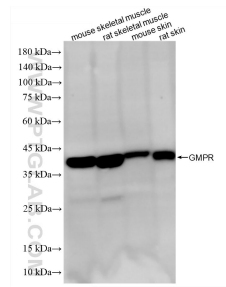
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86918-1-RR (GMPR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86918-1-PBS in a different storage buffer formulation.



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