

# Sumo antibody [4F2.F5.G2]

**Cat. No. GTX48824**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Applications</b>	WB, ELISA, Functional Assay, IHC
<b>Reactivity</b>	Yeast

**Package**  
50 µg

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:2000
ELISA	1:20000
Functional Assay	Assay dependent
IHC	1:1000

Not tested in other applications.

**Calculated MW** 12 kDa. ( [Note](#) )

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	20mM Potassium Phosphate, 150mM NaCl
<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1.9 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Full-length recombinant yeast SUMO protein.
<b>Purification</b>	Protein A purified From tissue culture supernatant
<b>Conjugation</b>	Unconjugated



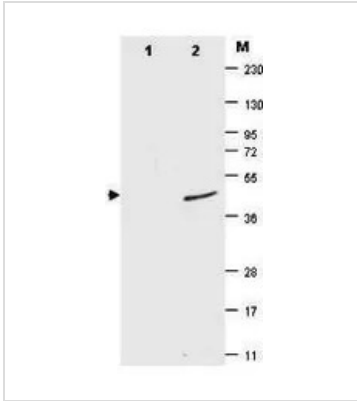
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**Note**

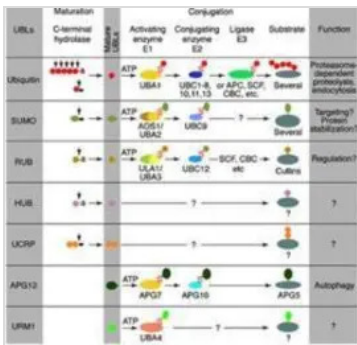
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## DATA IMAGES

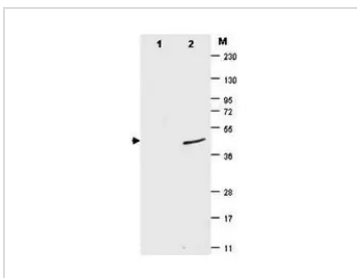


**GTX48824 WB Image**

Western blot of ySUMO fusion protein. Anti-ySUMO antibody, generated by immunization with recombinant yeast SUMO, was tested by western blot against a SUMO-GFP fusion protein (lane 2). While the actual molecular weight of the fusion protein is 39 kDa, the protein migrates as a 49 kDa band (arrowhead). No reactivity is seen for lane 1 which contains His-tagged GFP protein. The membrane was blocked using BLOTTO. Primary antibody was used at a 1:1,000 dilution in BLOTTO. The membrane was washed and reacted with a 1:10,000 dilution of IRDyeR 800 Conjugated Affinity Purified Goat-anti-Mouse IgG (H&L).



**GTX48824 Image**



**GTX48824 WB Image**

WB analysis of various recombinant proteins using GTX48824 Sumo antibody [4F2.F5.G2].  
Lane 1 : His-tagged GFP  
Lane 2 : Sumo-GFP fusion protein  
Dilution : 1:1000



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