

**Product Name: Phospho-EIF2S1 (Ser51) Rabbit Monoclonal Antibody****Catalog #: AMRe87060**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:5000,IHC 1:50-1:100
<b>Molecular Weight</b>	Calculated MW:36 kDa; Observed MW:36 kDa

**Antigen Information**

<b>Gene Name</b>	Phospho-EIF2S1
<b>Alternative Names</b>	EIF2; EIF-2; EIF2A; EIF-2A; EIF-2alpha
<b>Gene ID</b>	1965
<b>SwissProt ID</b>	P05198
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues surrounding Ser51 of human EIF2S1

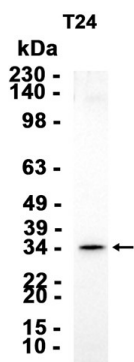
**Background**

The translation initiation factor EIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of

the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, EIF2, and GTP. EIF2 is composed of 3 nonidentical subunits, the 36-kD EIF2-alpha subunit (EIF2S1), the 38-kD EIF2-beta subunit (EIF2S2; MIM 603908), and the 52-kD EIF2-gamma subunit (EIF2S3; MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of EIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).[supplied by OMIM, Feb 2010]

## Research Area

## Image Data



Western blot analysis of extracts from T24 cells using Phospho-EIF2S1 (Ser51) Rabbit Monoclonal Antibody at 1:1000.