

A9905

Leader in Biomolecular Solutions for Life Science



## eIF2 $\alpha$ Mouse mAb

Catalog No.: A9905

### Basic Information

#### Observed MW

36kDa

#### Calculated MW

36kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB,IF/ICC,IP,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### 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]).

### Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:100
IP	1:20 - 1:50

### Immunogen Information

#### Gene ID

1965

#### Swiss Prot

P05198

#### Immunogen

Recombinant protein of human eIF2 $\alpha$

#### Synonyms

EIF2; EIF-2; EIF2A; EIF-2A; EIF-2alpha; eIF2 $\alpha$

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Mouse

#### Isotype

IgG

#### Purification

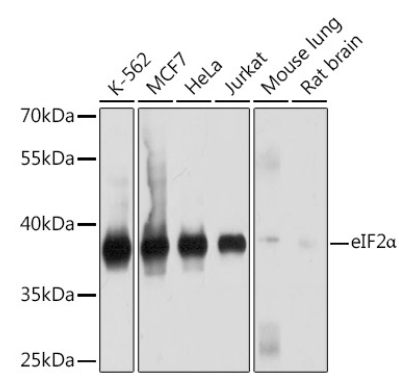
Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using eIF2α Mouse mAb (A9905) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
Lysates/proteins: 25μg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 5s.