

A0764

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## eIF2 $\alpha$ Rabbit pAb

Catalog No.: A0764

25 Publications

### Basic Information

#### Observed MW

38kDa

#### Calculated MW

36kDa

#### Category

Polyclonal Antibody

#### Applications

WB, 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 1:100 - 1:500

### Immunogen Information

#### Gene ID

1965

#### Swiss Prot

P05198

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human eIF2 $\alpha$  (NP\_004085.1).

#### Synonyms

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

### Contact



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

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

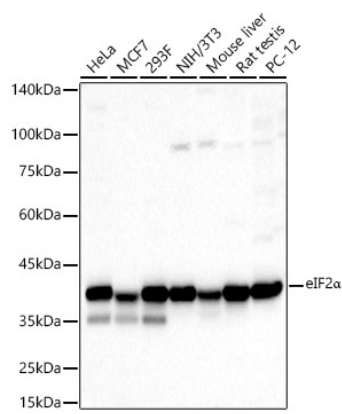
Affinity purification

#### Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

# Validation Data



Western blot analysis of various lysates, using eIF2α antibody (A0764) at 1:400 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25μg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 15s.