

# EIF4G1 Rabbit pAb

Catalog No.: A7552

## Basic Information

### Observed MW

220KDa

### Calculated MW

154kDa/158kDa/166kDa/171kDa/175kDa/176kDa

### Category

Primary antibody

### Applications

WB

### Cross-Reactivity

Human

## Background

The protein encoded by this gene is a component of the multi-subunit protein complex EIF4F. This complex facilitates the recruitment of mRNA to the ribosome, which is a rate-limiting step during the initiation phase of protein synthesis. The recognition of the mRNA cap and the ATP-dependent unwinding of 5'-terminal secondary structure is catalyzed by factors in this complex. The subunit encoded by this gene is a large scaffolding protein that contains binding sites for other members of the EIF4F complex. A domain at its N-terminus can also interact with the poly(A)-binding protein, which may mediate the circularization of mRNA during translation. Alternative splicing results in multiple transcript variants, some of which are derived from alternative promoter usage.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

1981

### Swiss Prot

Q04637

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 400-500 of human EIF4G1 (NP\_886553.3).

### Synonyms

EIF4G1; EIF-4G1; EIF4F; EIF4G; EIF4GI; P220; PARK18

## Contact

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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

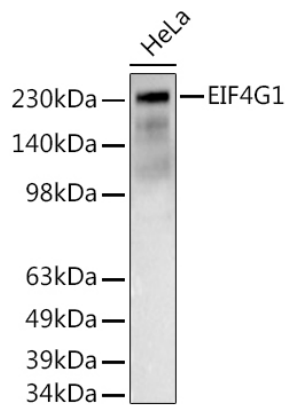
Affinity purification

### Storage

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

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

Validation Data



Western blot analysis of extracts of HeLa cells, using EIF4G1 antibody (A7552) at 1:500 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.