

# [KO Validated] EIF4G2/p97 Rabbit pAb

Catalog No.: A19990 **KO** Validated

## Basic Information

**Observed MW**

97kDa

**Calculated MW**

102kDa

**Category**

Primary antibody

**Applications**

ELISA, WB

**Cross-Reactivity**

Human, Mouse, Rat

## Background

Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F), which is a cap binding protein complex that consists of three subunits: eIF4A, eIF4E and eIF4G. The protein encoded by this gene shares similarity with the C-terminal region of eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G, in addition, contains a binding site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independent translation, this gene product functions as a general repressor of translation by forming translationally inactive complexes. In vitro and in vivo studies indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. Alternatively spliced transcript variants encoding different isoforms of this gene have been described.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

**Gene ID**

1982

**Swiss Prot**

P78344

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 733-850 of human EIF4G2/p97 (NP\_001409.3).

**Synonyms**

P97; AAG1; DAP5; NAT1; 97

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

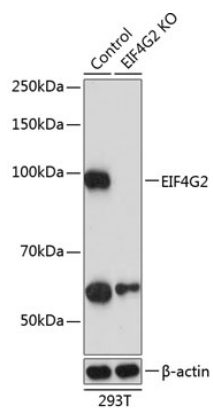
Affinity purification

**Storage**

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and EIF4G2/p97 knockout (KO) 293T cells, using [KO Validated] EIF4G2/p97 Rabbit pAb (A19990) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3min.