

Anti-EIF4G2 antibody

Cat. No.	ml160254
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-EIF4G2 rabbit polyclonal antibody
Applications	ELISA, WB
Immunogen	Synthetic peptide of human EIF4G2
Reactivity	Human, Mouse
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	EIF4G2
Full name	Eukaryotic translation initiation factor 4 gamma 2
Synonyms	P97, AAG1, DAP5, NAT1
Swissprot	P78344

Target 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.

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Applications

Western blotting

Predicted band size: 103 kDa

Positive control: HeLa and HepG2 cells

Recommended dilution: 500-2000

Gel: 6% SDS-PAGE

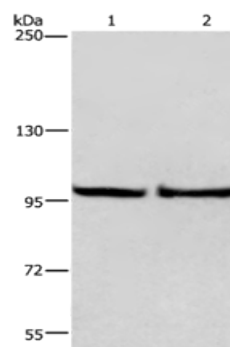
Lysate: 40 µg

Lane 1-2: HeLa cells, HepG2 cells

Primary antibody: ml160254 (EIF4G2 Antibody) at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



ELISA

Recommended dilution: 2000-5000

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