A26307

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

EIF4G1 Rabbit mAb

Catalog No.: A26307 Recombinant 1 Publications

Basic Information

Observed MW
250kDa

Calculated MW
175kDa

Category
Monoclonal Antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Mouse,Rat

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	1:1000 - 1:2000
IHC-P	1:900 - 1:4000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1981

Swiss Prot
Q04637

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

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

Contact

www.abclonal.com

Product Information

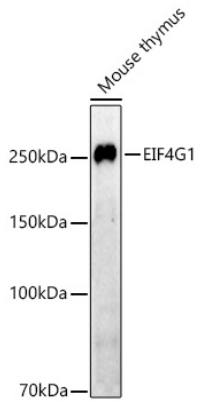
Source
Rabbit

Isotype
IgG

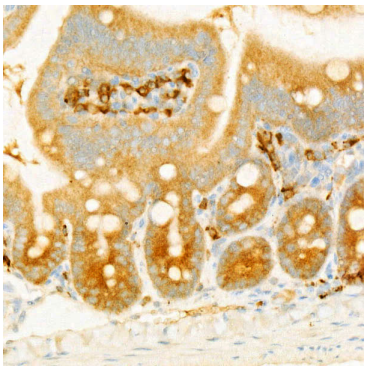
Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of lysates from Mouse thymus using EIF4G1 Rabbit mAb (A26307) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using EIF4G1 Rabbit mAb (A26307) at a dilution of 1:900 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.