



Rabbit Anti-Human eIF4G monoclonal antibody, clone H.790.0 (CABT-L1289)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	EIF4G1
Immunogen	Synthetic peptide corresponding to residues surrounding Gly188 of human eIF4G
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Non-human primate, Rat
Clone	H.790.0
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	FC, ICC, IHC-P, IF, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction	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
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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.

Keywords	EIF4G1;eukaryotic translation initiation factor 4 gamma, 1;P220;EIF4F;EIF4G;EIF4G1;PARK18;EIF-4G1;eukaryotic translation initiation factor 4 gamma 1;EIF4-gamma;eIF-4-gamma 1;eucaryotic translation initiation factor 4G
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GENE INFORMATION

Entrez Gene ID [1981](#)

UniProt ID [Q04637](#)