



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

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|--------------------|---|
| 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

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| 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 |
|--------------|---|

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;EIF4GI;PARK18;EIF-4G1;eukaryotic translation initiation factor 4 gamma
1;EIF4-gamma;eIF-4-gamma 1;eucaryotic translation initiation factor 4G

GENE INFORMATION

Entrez Gene ID

[1981](#)

UniProt ID

[Q04637](#)
