Anti-eIF4G1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P107627

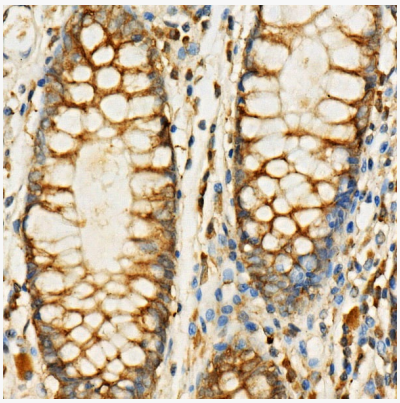
Product Information

Application	WB, IHC-P, IP, ELISA
Reactivity	Human
Dilution	WB 1:100~1:500; IHC-P 1:50~1:200; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 400-500 of human EIF4G1 (NP_886553.3).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-eIF4G1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

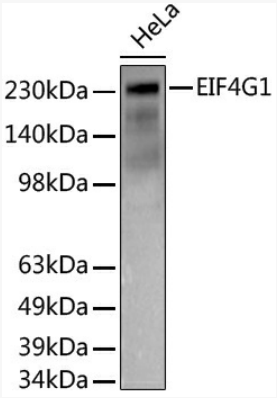
Protein Information

Synonyms	P220; EIF4F; EIF4G; EIF4GI; PARK18; EIF-4G1; EIF4G1.
Calculated MW	Calculated MW: 175 kDa; Observed MW: 220 kDa
Uniprot ID	Q04637
Gene ID	1981
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.

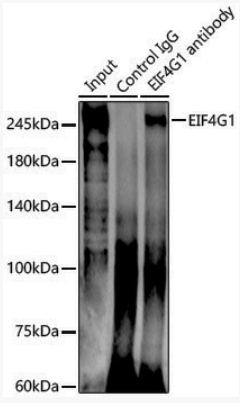
Validation Images



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using EIF4G1 Rabbit pAb (P107627) at dilution of 1:100 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Western blot analysis of lysates from HeLa cells, using EIF4G1 Rabbit pAb (P107627) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 180s.



Immunoprecipitation analysis of 300 µg extracts of Hela cells using 3 µg EIF4G1 antibody (P107627). Western blot was performed from the immunoprecipitate using EIF4G1 antibody (P107627) at a dilution of 1:500.