BT LAB
Bioassay Technology Laboratory
Optimize Your Research

eIF4G Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02900
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human eIF4G. AA range:1074-1123
Mol wt	175535
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, IF, WB, ELISA
Concentration	1 mg/ml
Full name	eIF4G Antibody
Synonyms	EIF4G1; EIF4F; EIF4G; EIF4GI; Eukaryotic translation initiation factor 4 gamma 1; eIF-4-gamma 1; eIF-4G 1; eIF-4G1; p220

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The eukaryotic translation initiation factor 4 gamma 1 encoded by EIF4G1 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 Dilution

WB: 1: 500 - 2000

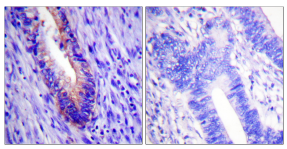
IF: 1: 200 - 1: 1000

ELISA: 1: 5000

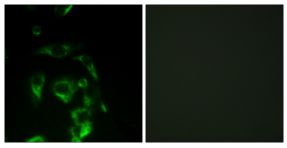
IHC: 1: 100 - 1: 300

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using eIF4G Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of HeLa cells, using eIF4G Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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