

elF4G3 Polyclonal Antibody

Catalog NumberPA5-19696

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	1 µg/mL
Type	Antibody	Immunocytochemistry (ICC/IF)	5 µg/mL
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 300 - 400 of Human eIF4GII.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.34 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

This antibody is predicted to react with cow based on sequence homology.

Background/Target Information

The protein encoded by this gene is thought to be part of the eIF4F protein complex, which is involved in mRNA cap recognition and transport of mRNAs to the ribosome. Interestingly, a microRNA (miR-520c-3p) has been found that negatively regulates synthesis of the encoded protein, and this leads to a global decrease in protein translation and cell proliferation. Therefore, this protein is a key component of the anti-tumor activity of miR-520c-3p.

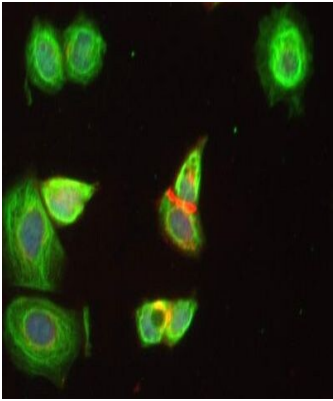
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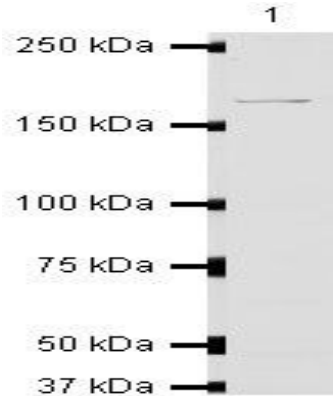
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Product Images For eIF4G3 Polyclonal Antibody



eIF4G3 Antibody (PA5-19696) in ICC/IF

Immunofluorescent staining of MCF7 cells using PA5-19696, anti-eIF4GII antibody. The cells were fixed with PFA (4%) for 10 minutes, permeabilised with PBS-T (20mins), BSA(1%), normal goat serum (10%) and glycine (0.3 M) in 0.1% T-BST for 1 hour and exposed to the primary antibody at a concentration of 1 ug/ml for 1 hour at room temp. The secondary antibody was a 448 fluorescence conjugated Goat anti-rabbit IgG (green) at a dilution of 1:1000. A WGA- 594 fluorescent conjugated stain was used to label plasma membranes (red) and the nuclei stain was DAPI (blue).



eIF4G3 Antibody (PA5-19696) in WB

Western blot analysis of HeLa Whole Cell Lysate using PA5-19696, eIF4GII primary antibody at a dilution of 1 ug/ml. Blot treated with a secondary IR Dye680-conjugated Goat polyclonal anti-Rabbit antibody was used at a dilution of 1:10000.

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