Datasheet for ABIN7152156

anti-EIF3G antibody (AA 2-320)

3 Images

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Overview

Quantity:	100 µg
Target:	EIF3G
Binding Specificity:	AA 2-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3G antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Eukaryotic translation initiation factor 3 subunit G protein (2-320AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	EIF3G
Alternative Name:	EIF3G (EIF3G Products)
Background:	Background: Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates

Target Details

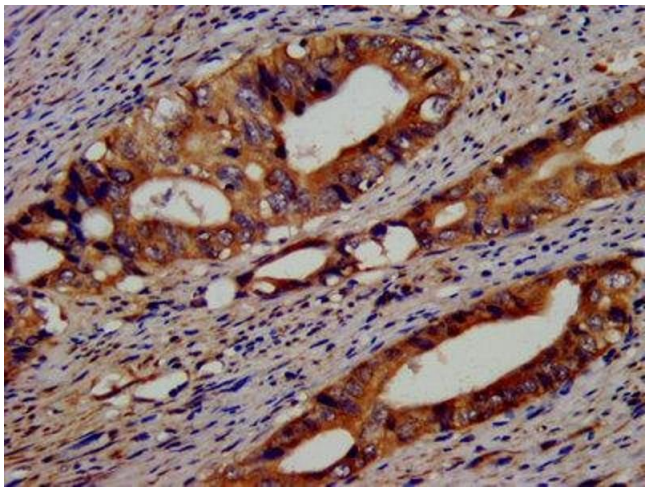
	with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. This subunit can bind 18S rRNA. Aliases: 44 kDa antibody, Anti EIF3S4 antibody, eIF 3 delta antibody, eIF 3 RNA binding subunit antibody, eIF-3 RNA-binding subunit antibody, eIF-3-delta antibody, eIF3 delta antibody, eIF3 p42 antibody, eIF3 p44 antibody, eIF3g antibody, EIF3G_HUMAN antibody, EIF3S4 antibody, EIF3S4 antibody antibody, EIF3S4, formerly antibody, Eukaryotic translation initiation factor 3 antibody, Eukaryotic translation initiation factor 3 RNA binding subunit antibody, Eukaryotic translation initiation factor 3 RNA-binding subunit antibody, Eukaryotic translation initiation factor 3 subunit 4 antibody, Eukaryotic translation initiation factor 3 subunit 4 delta 44 kD antibody, Eukaryotic translation initiation factor 3 subunit G antibody, Eukaryotic translation initiation factor 3 subunit p42 antibody, Eukaryotic translation initiation factor 3, subunit 4, formerly antibody, Subunit 4 (delta 44kD) antibody, Subunit 4 delta antibody
UniProt:	O75821
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only

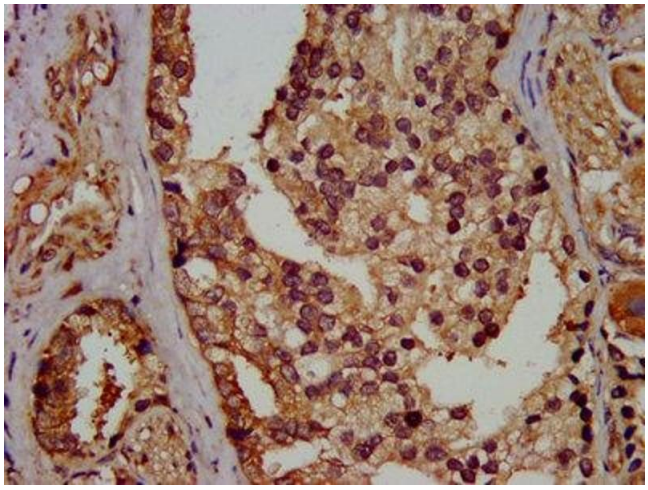
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



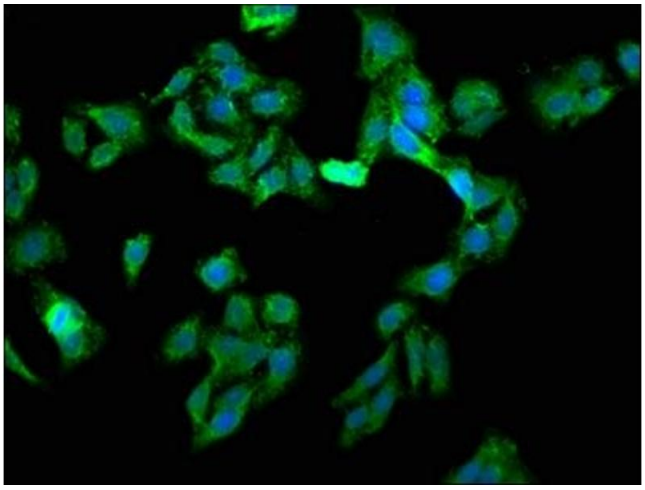
Immunohistochemistry

Image 1. IHC image of ABIN7152156 diluted at 1:400 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 2. IHC image of ABIN7152156 diluted at 1:400 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7152156 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).