

Nur für Forschungszwecke

# EIF4E Monoklonaler Antikörper

Katalog-Nr.:66655-1-Ig

Vorgestelltes Produkt

2 Publikationen



## Allgemeine Informationen

Katalog-Nr.:

66655-1-Ig

Größe:

150ul, Konzentration: 1400 µg/ml von1977

Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Maus

Isotyp:

IgG1

Immunogen Katalognummer:

AG27191

GenBank-Zugangsnummer:

BC012611

GeneID (NCBI):

von1977

Vollständiger Name:

eukaryotic translation initiation factor 4E

Berechnete Masse:

29 kDa

Beobachtete Masse:

26-29 kDa

Reinigungsmethode:

Protein-A-Reinigung

CloneNo.:

3C6B9

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IHC 1:2500-1:10000

IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB: Jurkat-Zellen, HEK-293-Zellen, HeLa-Zellen, LNCaP-Zellen, MCF-7-Zellen, NIH/3T3-Zellen, RAW 264.7-Zellen, U2OS-Zellen

IHC: humanes Mammakarzinomgewebe,

IF: HepG2-Zellen,

## Hintergrundinformationen

Eukaryotic translation initiation factor 4E, also known as eIF4E, is a protein that in humans is encoded by the EIF4E gene. eIF4E is the mRNA cap-binding protein, known as a general initiation factor allowing for mRNA-ribosome interaction and cap-dependent translation in eukaryotic cells. eIF4E is a polypeptide that exists as both a free form and as part of the eIF4F pre-initiation complex. Regulation of eIF4E may be achieved via three distinct mechanisms: transcription, phosphorylation, and inhibitory proteins.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shasha Zhao	35768165	J Immunother Cancer	WB
Xiao Ke	35802246	Neurosci Bull	WB,IHC

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

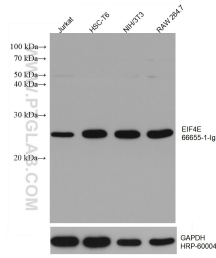
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

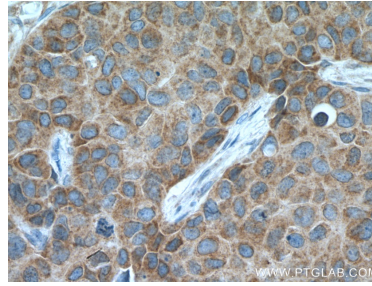
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

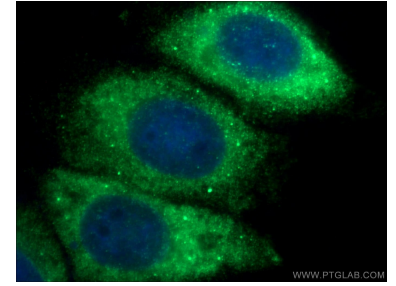
## Ausgewählte Validierungsdaten



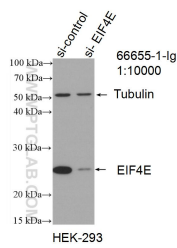
Various lysates were subjected to SDS PAGE followed by western blot with 66655-1-Ig (EIF4E antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



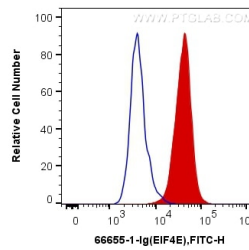
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66655-1-Ig (EIF4E antibody) at dilution of 1:5000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



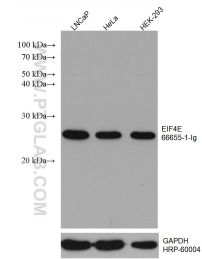
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66655-1-Ig (EIF4E antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB result of EIF4E antibody (66655-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EIF4E transfected HEK-293 cells.



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.2 ug Anti-Human EIF4E (66655-1-Ig, Clone:3C6B9) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Various lysates were subjected to SDS PAGE followed by western blot with 66655-1-Ig (EIF4E antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.