

Datasheet for ABIN4910868

anti-EIF4E2 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	EIF4E2
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EIF4E2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	This IF4E antibody is generated from a mouse immunized with a recombinant protein of human IF4E.
Clone:	4C5
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein G.

Target Details

Target:	EIF4E2
Alternative Name:	IF4E (EIF4E2 Products)
Background:	Synonyms: CBP, EIF4F, AUTS19, EIF4E1, eIF-4E, EIF4EL1, Eukaryotic translation initiation factor

Target Details

4E, eIF4E, eIF-4F 25 kDa subunit, mRNA cap-binding protein

Background: Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures. Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit mediates the binding to the mRNA cap.

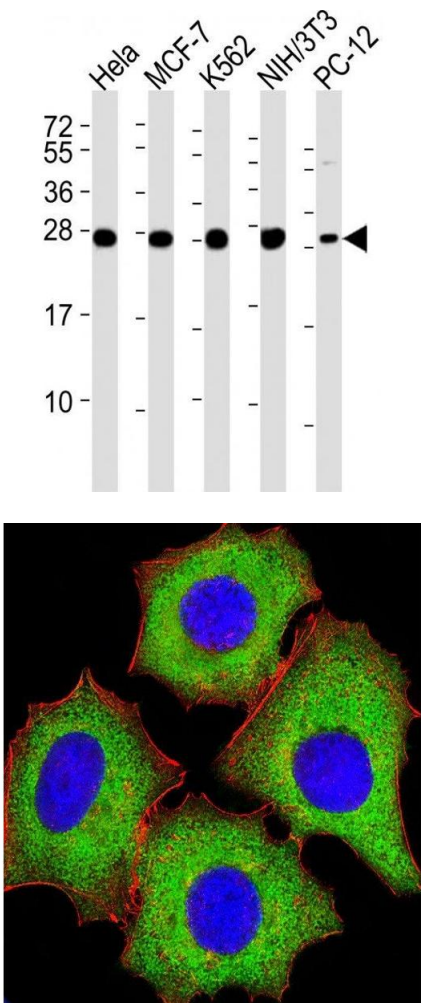
Gene ID:	1977
UniProt:	P06730
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB 1:300-5000 IF(ICC) 1:50-200 IF()
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months



Western Blotting

Image 1. Lane 1: HeLa Cell lysates, Lane 2: MCF-7 Cell lysates, Lane 3: K562 Cell lysates, Lane 4: NIH/3T3 Cell lysates, Lane 5: PC-12 Cell lysates, probed with IF4E (1504CT774.14.55) Monoclonal Antibody, unconjugated (bsm-51305M) at 1:4000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.

Immunofluorescence (Cultured Cells)

Image 2. Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized MCF-7 cells labeled with IF4E (1504CT774.14.55) Monoclonal Antibody (bsm-51305M) at 1/25 dilution, followed by secondary antibody (green), cytoplasmic actin staining (red), and nuclear counter stain with DAPI (blue).