

Datasheet for ABIN7267048

anti-EIF4E antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	EIF4E
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This EIF4E antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	eIF4E Rabbit mAb
Immunogen:	A synthesized peptide derived from human eIF4E
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	EIF4E
Alternative Name:	EIF4E (EIF4E Products)
Background:	The protein encoded by this gene is a component of the eukaryotic translation initiation factor

Target Details

4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of messenger RNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the 5'-cap structure. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. This gene acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],AUTS19;CBP;EIF4E1;EIF4EL1;EIF4F;eIF-4E;EIF4E,Angiogenesis,Cardiovascular,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Immunology & Inflammation,Insulin Receptor Signaling Pathway,Protein phosphorylation,Signal Transduction,Translation Control,Translational Control_Regulation of eIF4 and p70 S6 Kinase,EIF4E

Molecular Weight: 30kDa

Gene ID: 1977

UniProt: [P06730](#)

Pathways: [BCR Signaling](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IP,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

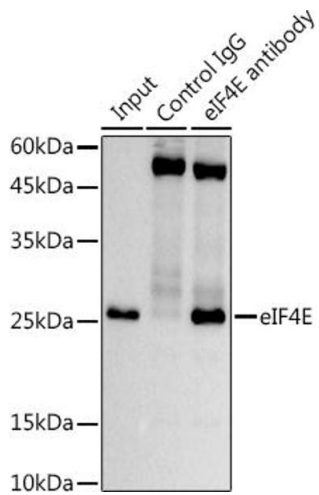
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

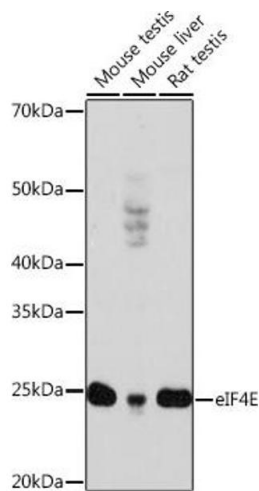
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 600 µg extracts of Mouse testis using 3 µg eIF4E antibody (ABIN7267048). Western blot was performed from the immunoprecipitate using eIF4E (ABIN7267048) at a dilution of 1:500.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using eIF4E antibody (ABIN7267048) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.