

Recombinant

DGRmAb®

4E BP1 (DGR14165) Rabbit mAb

db11599

Package : 10μL 20μL 50μL 100μL

Product Name : 4E BP1 (DGR14165) Rabbit mAb**Cat.No.:** db11599**Synonyms :** BP-1; 4EBP1; 4E-BP1; PHAS-I**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human, Mouse, Rat**Host species :** Rabbit**Background**

This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of human eIF4EBP1

Gene ID

1978

Swiss Prot

Q13541

Synonyms

BP-1; 4EBP1; 4E-BP1; PHAS-I

Reactivity

Human, Mouse, Rat

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilutionWB: 1:1000
IHC-P: 1:100-1:200
ICC/IF: 1:200-1:500
FC: 1:20-1:50
IP: 1:20**Calculated MW**

13 kDa

Observed MW

15-20 kDa

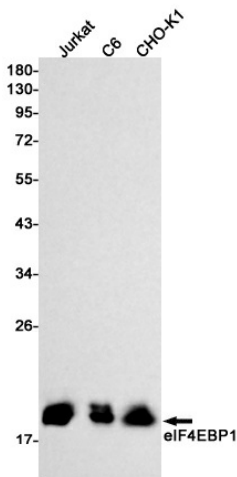
Host species

Rabbit

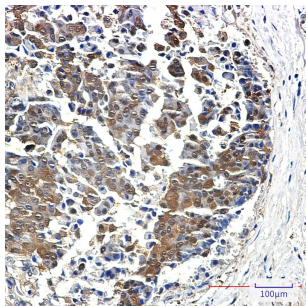
Clonality

Monoclonal

Clonality No.	DGR14165
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of eIF4EBP1 in Jurkat,C6,CHO-K1 cell lysates using eIF4EBP1 antibody(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human breast cancer using db11599 antibody.