Recombinant DGRmAb®

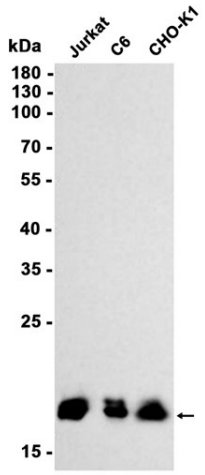
4E BP1 (DGR14165) Rabbit mAb

db11599 **Package : 10μL 20μL 50μL 100μL**

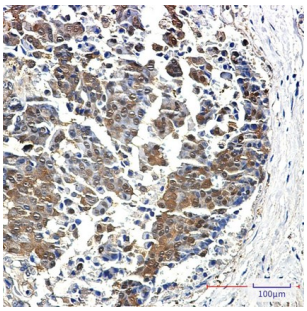
Product Name : 4E BP1 (DGR14165) Rabbit mAb
Cat.No.: db11599
Synonyms : BP-1; 4EBP1; 4E-BP1; PHAS-I
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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 dilution	WB: 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

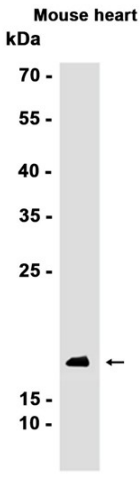
Clonality No.	DGR14165
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



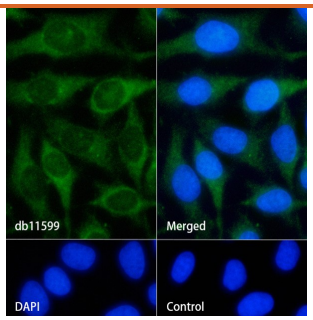
Western blot analysis of extracts from Jurkat, C6, CHO-K1 cells using db11599 at 1:1000.



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



Western blot analysis of extracts from Mouse heart tissue using db11599 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling 4E BP1 with db11599.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11599 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.