

Recombinant

DGRmAb®

## eIF4E (DGR18881) Rabbit mAb

db11590

Package : 10µL 20µL 50µL 100µL

**Product Name** : eIF4E (DGR18881) Rabbit mAb**Cat.No.:** db11590**Synonyms** : CBP; EIF4F; AUTS19; EIF4E1; eIF-4E; EIF4EL1**Application** : WB, IHC, ICC/IF, FC, IP**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

The protein encoded by this gene is a component of the eukaryotic translation initiation factor 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]

**Immunogen**

A synthetic peptide of human eIF4E

**Gene ID**

1977

**Swiss Prot**

P06730

**Synonyms**

CBP; EIF4F; AUTS19; EIF4E1; eIF-4E; EIF4EL1

**Reactivity**

Human, Mouse, Rat

**Application**

WB, IHC, ICC/IF, FC, IP

**Recommended dilution**

WB: 1:1000

IHC: 1:200-1:500

ICC/IF: 1:50

FC: 1:50

IP: 1:20

**Calculated MW**

25 kDa

**Observed MW**

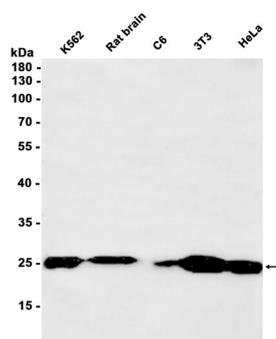
25 kDa

**Host species**

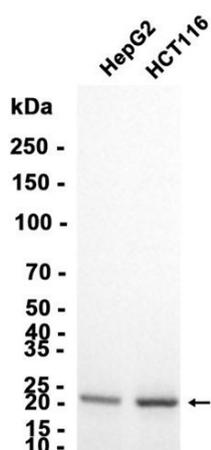
Rabbit

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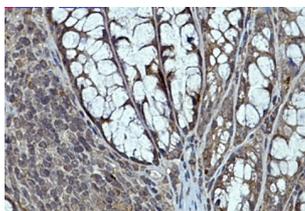
<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR18881
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



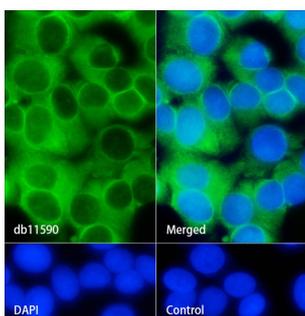
Western blot analysis of extracts from K562, C6, 3T3, HeLa cells and Rat brain tissue using db11590 at 1:1000.



Western blot analysis of extracts from HepG2, HCT116 cells using db11590 at 1:5000.



Immunohistochemical analysis of paraffin-embedded mouse colon using db11590 antibody.



Immunofluorescence analysis of MCF-7 cells labelling eIF4E with db11590.

The cells were fixed with cold 100% methanol (10min, 4°C) 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 db11590 (1:50) 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.

