Recombinant DGRmAb®

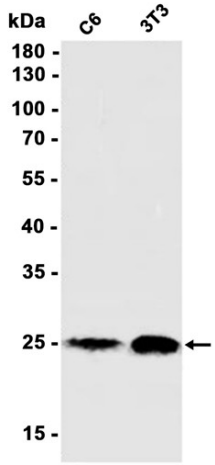
eIF4E (DGR16579) Rabbit mAb

db13610 **Package : 10μL 20μL 50μL 100μL**

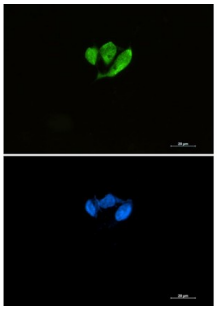
Product Name : eIF4E (DGR16579) Rabbit mAb
Cat.No.: db13610
Synonyms : CBP; EIF4F; AUTS19; EIF4E1; eIF-4E; EIF4EL1
Application : WB, IHC, ICC/IF, FC, IP
Reactivity : Human, Mouse, Rat
Host species : Rabbit

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: 1:100 ICC/IF: 1:200-1:500 FC: 1:200 IP: 1:20
Calculated MW	25 kDa
Observed MW	25 kDa
Host species	Rabbit

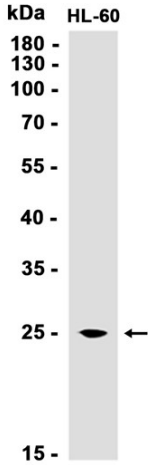
Clonality	Monoclonal
Clonality No.	DGR16579
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



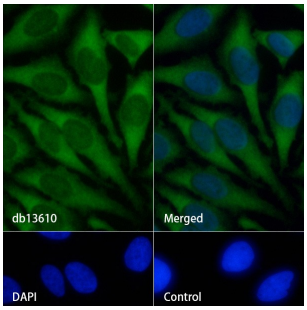
Western blot analysis of extracts from C6, 3T3 cells using db13610 at 1:1000.



Immunofluorescent analysis of HCT116 cells using db13610 antibody (green), and DAPI (blue).



Western blot analysis of extracts from HL-60 cells using db13610 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling eIF4E with db13610.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 db13610 (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.