Recombinant DGRmAb®

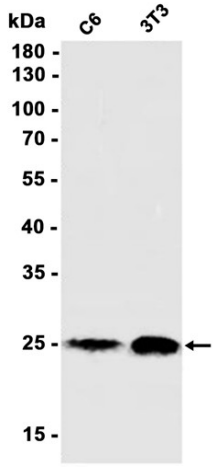
eIF4E (DGR16579) Rabbit mAb (PBS Only)

db13610-PBS **Package : 10μg 100μg**

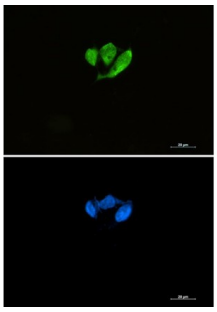
Product Name : eIF4E (DGR16579) Rabbit mAb (PBS Only)
Cat.No.: db13610-PBS
Synonyms : CBP; EIF4F; AUTS19; EIF4E1; eIF-4E; EIF4EL1
Application : WB, IHC, ICC/IF, FC, IP
Reactivity : Human, Mouse, Rat
Host species : Rabbit

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
Calculated MW	25 kDa
Observed MW	25 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR16579
Isotype	IgG
Purity	Affinity Purification

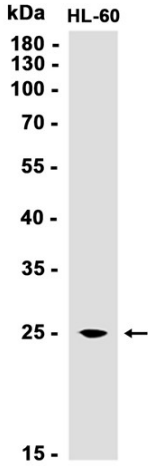
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



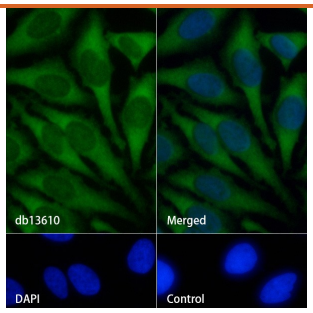
Western blot analysis of extracts from C6, 3T3 cells using db13610 at 1:1000.



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.