Recombinant DGRmAb®

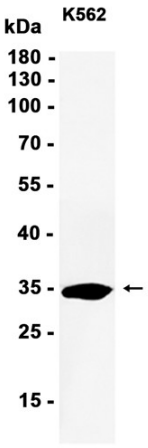
RPS6 (DGR19468) Rabbit mAb

db11631 **Package : 10μL 20μL 50μL 100μL**

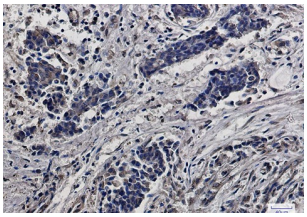
Product Name : RPS6 (DGR19468) Rabbit mAb
Cat.No.: db11631
Synonyms : S6
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human RPS6
Gene ID	6194
Swiss Prot	P62753
Synonyms	S6
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC
Recommended dilution	WB: 1:1000 IHC-P: 1:200-1:1000 ICC/IF: 1:200-1:500 FC: 1:200-1:500
Calculated MW	29 kDa
Observed MW	29 kDa

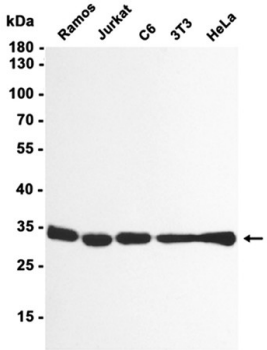
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19468
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



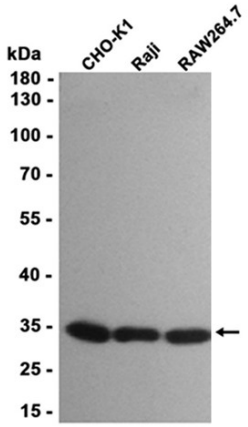
Western blot analysis of extracts from K562 cells using db11631 at 1:1000.



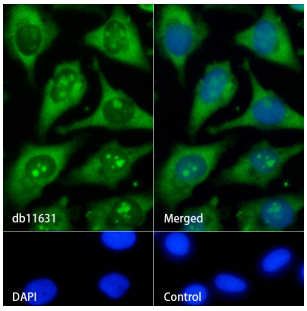
Immunohistochemical analysis of paraffin-embedded human breast cancer using db11631 antibody.



Western blot analysis of extracts from Ramos, Jurkat, C6, 3T3, HeLa cells using db11631 at 1:1000.



Western blot analysis of extracts from CHO-K1, Raji, RAW264.7 cells using db11631 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling RPS6 with db11631.

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 db11631 (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.