Recombinant DGRmAb®

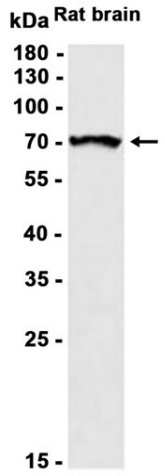
S6K1 (DGR12050) Rabbit mAb (PBS Only)

db12507-PBS **Package : 10μg 100μg**

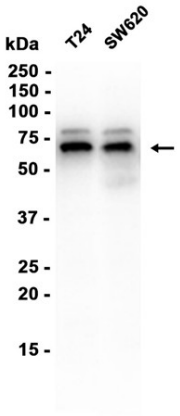
Product Name : S6K1 (DGR12050) Rabbit mAb (PBS Only)
Cat.No.: db12507-PBS
Synonyms : S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17. [provided by RefSeq, Jan 2013]
Immunogen	A synthetic peptide of human S6K1
Gene ID	6198
Swiss Prot	P23443
Synonyms	S6K; PS6K; S6K1; STK14A; p70-S6K; p70 S6KA; p70-alpha; S6K-beta-1; p70(S6K)-alpha
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	59 kDa
Observed MW	70 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR12050
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

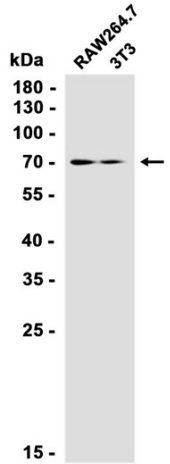
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



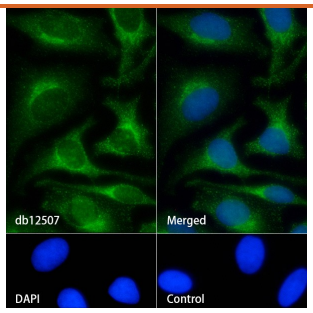
Western blot analysis of extracts from Rat brain tissue using db12507 at 1:1000.



Western blot analysis of extracts from T24, SW620 cells using db12507 at 1:1000.



Western blot analysis of extracts from RAW264.7, 3T3 cells using db12507 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling S6K1 with db12507.

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 db12507 (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.