Recombinant DGRmAb®

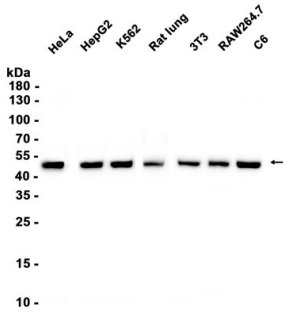
alpha Tubulin (DGR14189) Rabbit mAb (PBS Only)

db13212-PBS **Package : 10μg 100μg**

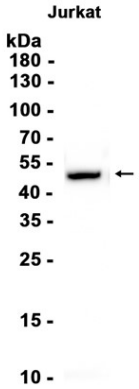
Product Name : alpha Tubulin (DGR14189) Rabbit mAb (PBS Only)
Cat.No.: db13212-PBS
Synonyms : ALS22; TUBA1; H2-ALPHA
Application : WB, IHC, ICC/IF, FC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene encodes an alpha tubulin that is a highly conserved homolog of a rat testis-specific alpha tubulin. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2013]
Immunogen	A synthetic peptide of human alpha Tubulin
Gene ID	7277
Swiss Prot	P68366
Synonyms	ALS22; TUBA1; H2-ALPHA
Reactivity	Human, Mouse, Rat
Application	WB, IHC, ICC/IF, FC
Calculated MW	50 kDa
Observed MW	50 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14189
Isotype	IgG

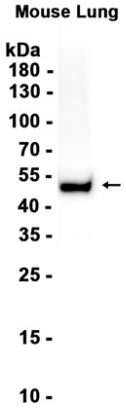
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



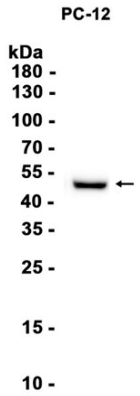
Western blot analysis of extracts from HeLa, HepG2, K562, 3T3, RAW264.7, C6 and Rat lung tissue using db13212 at 1:5000.



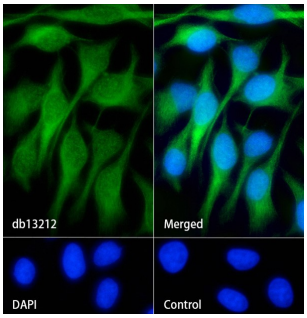
Western blot analysis of extracts from Jurkat cells using db13212 at 1:5000.



Western blot analysis of extracts from Mouse lung tissue using db13212 at 1:5000.



Western blot analysis of extracts from PC-1 cells using db13212 at 1:5000.



Immunofluorescence analysis of HeLa cells labelling alpha Tubulin with db13212.

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 db13212 (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.