Recombinant DGRmAb®

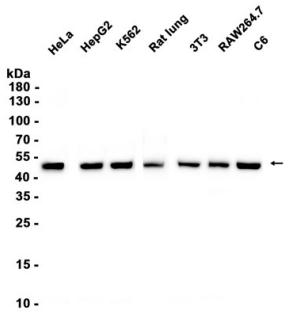
alpha Tubulin (DGR14189) Rabbit mAb

db13212 **Package : 10μL 20μL 50μL 100μL**

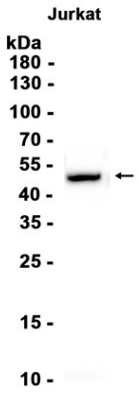
Product Name : alpha Tubulin (DGR14189) Rabbit mAb
Cat.No.: db13212
Synonyms : ALS22; TUBA1; H2-ALPHA
Application : WB, IHC, ICC/IF, FC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

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
Recommended dilution	WB: 1:1000-1:10000 IHC: 1:200 ICC/IF: 1:200-1:500 FC: 1:20
Calculated MW	50 kDa
Observed MW	50 kDa
Host species	Rabbit

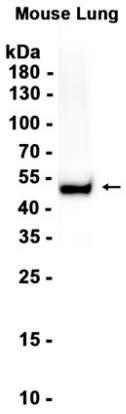
Clonality	Monoclonal
Clonality No.	DGR14189
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



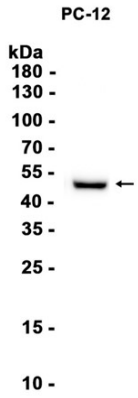
Western blot analysis of extracts from HeLa, HepG2, K562, 3T3, RAW264.7, C6 and Rat lung tissue using db13212 at 1:5000.



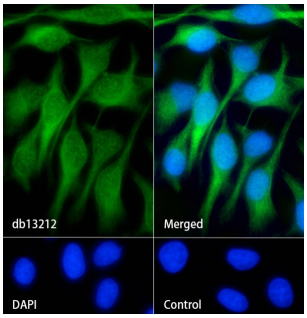
Western blot analysis of extracts from Jurkat cells using db13212 at 1:5000.



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.