Recombinant DGRmAb®

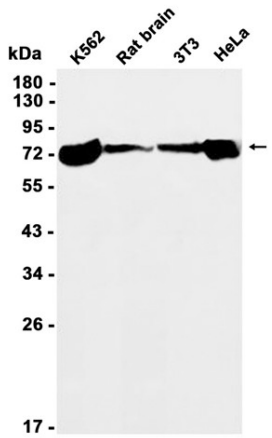
Hsp70 (DGR13507) Rabbit mAb (PBS Only)

db11436-PBS **Package : 10μg 100μg**

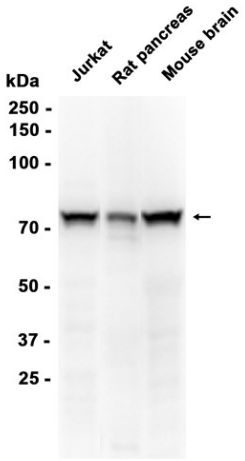
Product Name : Hsp70 (DGR13507) Rabbit mAb (PBS Only)
Cat.No.: db11436-PBS
Synonyms : Hsp70; hsp68; Hsp70-1; Hsp70.1
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Molecular chaperone implicated in a wide variety of cellular processes, including protection of the proteome from stress, folding and transport of newly synthesized polypeptides, activation of proteolysis of misfolded proteins and the formation and dissociation of protein complexes. Plays a pivotal role in the protein quality control system, ensuring the correct folding of proteins, the re-folding of misfolded proteins and controlling the targeting of proteins for subsequent degradation. This is achieved through cycles of ATP binding, ATP hydrolysis and ADP release, mediated by co-chaperones. The co-chaperones have been shown to not only regulate different steps of the ATPase cycle, but they also have an individual specificity such that one co-chaperone may promote folding of a substrate while another may promote degradation. The affinity for polypeptides is regulated by its nucleotide bound state.
Immunogen	Recombinant protein of mouse Hsp70
Gene ID	15511
Swiss Prot	P17879
Synonyms	Hsp70; hsp68; Hsp70-1; Hsp70.1
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC
Calculated MW	70 kDa
Observed MW	70 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13507
Isotype	IgG

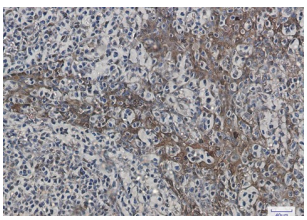
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



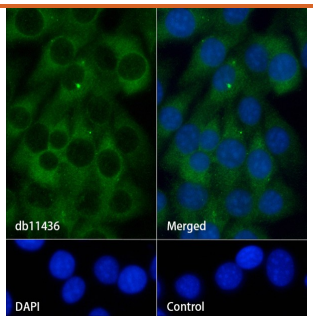
Western blot analysis of extracts from K562, 3T3, HeLa cells and Rat brain tissue using db11436 at 1:1000.



Western blot analysis of extracts from Jurkat cells and Rat pancreas, Mouse brain tissues using db11436 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human tonsil using db11436 antibody.



Immunofluorescence analysis of 3T3 cells labelling Hsp70 with db11436.

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 db11436 (1:50) 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.