

Recombinant

DGRmAb®

**Hsp70 (DGR13507) Rabbit mAb (PBS Only)**

db11436-PBS

Package : 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

**Recommended dilution**

WB: 1:1000

IHC-P: 1:200-1:1000

ICC/IF: 1:50

FC: 1:100-1:200

**Calculated MW**

70 kDa

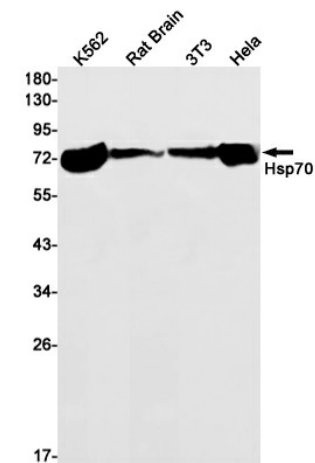
**Observed MW**

70 kDa

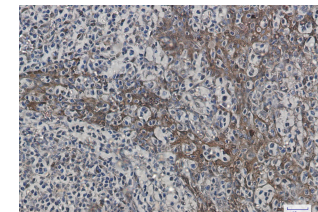
**Host species**

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 detection of Hsp70 in K562,Rat Brain,3T3,Hela cell lysates using Hsp70 antibody(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human tonsil using [db11436](#)