

Recombinant

DGRmAb®

Hsp70 (DGR13507) Rabbit mAb

db11436

Package : 10µL 20µL 50µL 100µL

Product Name : Hsp70 (DGR13507) Rabbit mAb**Cat.No.:** db11436**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 dilutionWB: 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
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.
	<ul style="list-style-type: none">□ 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 antibody.