Recombinant DGRmAb®

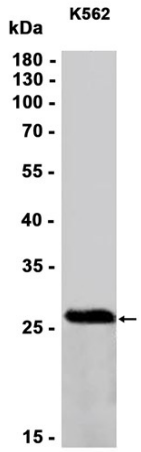
Hsp27 (DGR15090) Rabbit mAb

db12147 **Package : 10μL 20μL 50μL 100μL**

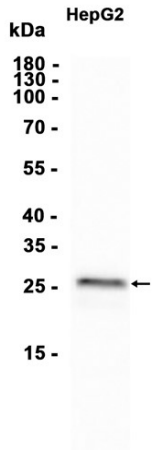
Product Name : Hsp27 (DGR15090) Rabbit mAb
Cat.No.: db12147
Synonyms : CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102
Application : WB, ICC/IF, FC
Reactivity : Human,Rat
Host species : Rabbit

Background	This gene encodes a member of the small heat shock protein (HSP20) family of proteins. In response to environmental stress, the encoded protein translocates from the cytoplasm to the nucleus and functions as a molecular chaperone that promotes the correct folding of other proteins. This protein plays an important role in the differentiation of a wide variety of cell types. Expression of this gene is correlated with poor clinical outcome in multiple human cancers, and the encoded protein may promote cancer cell proliferation and metastasis, while protecting cancer cells from apoptosis. Mutations in this gene have been identified in human patients with Charcot-Marie-Tooth disease and distal hereditary motor neuropathy. [provided by RefSeq, Aug 2017]
Immunogen	A synthetic peptide of human Hsp27
Gene ID	3315
Swiss Prot	P04792
Synonyms	CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102
Reactivity	Human,Rat
Application	WB, ICC/IF, FC
Recommended dilution	WB: 1:1000-1:5000 ICC/IF: 1:200-1:500 FC: 1:10-1:100
Calculated MW	23 kDa
Observed MW	27 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15090

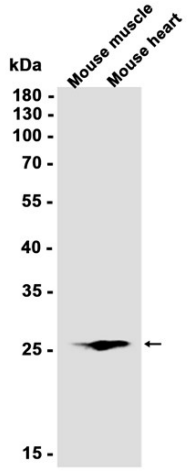
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



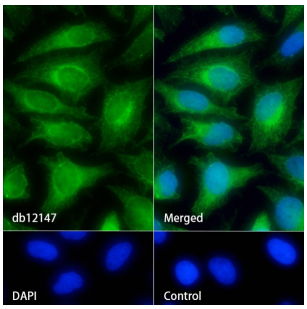
Western blot analysis of extracts from K562 cells using db12147 at 1:1000.



Western blot analysis of extracts from HepG2 cells using db12147 at 1:3000.



Western blot analysis of extracts from Mouse muscle, Mouse heart tissues using db12147 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Hsp27 with db12147.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 db12147 (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.