

Recombinant

DGRmAb®

**Hsp27 (DGR15090) Rabbit mAb (PBS Only)**

db12147-PBS

Package : 10µg 100µg

**Product Name** : Hsp27 (DGR15090) Rabbit mAb (PBS Only)**Cat.No.:** db12147-PBS**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

**Calculated MW**

23 kDa

**Observed MW**

27 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR15090

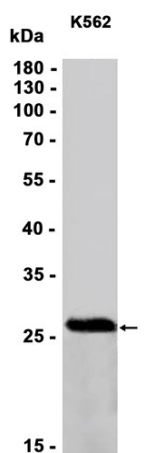
**Isotype**

IgG

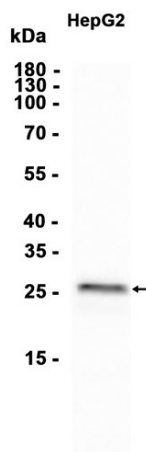
**Purity**

Affinity Purification

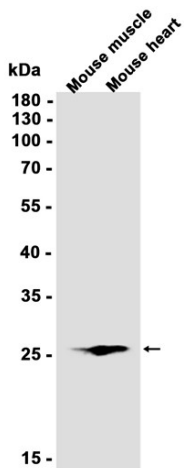
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



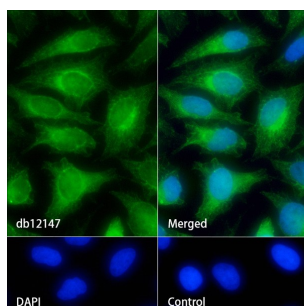
Western blot analysis of extracts from K562 cells using [db12147](#) at 1:1000.



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.