Recombinant DGRmAb®

# Prohibitin (DGR34304) Rabbit mAb (PBS Only)

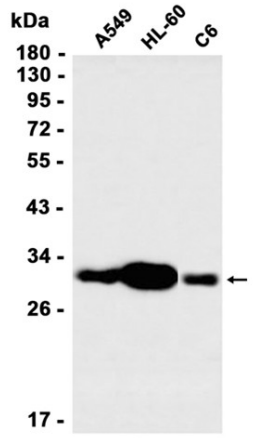
**db11502-PBS** **Package : 10μg 100μg**

**Product Name :** Prohibitin (DGR34304) Rabbit mAb (PBS Only)
**Cat.No.:** db11502-PBS
**Synonyms :** PHB1; HEL-215; HEL-S-54e
**Application :** WB, IHC-P, ICC/IF, IP
**Reactivity :** Human,Mouse,Rat
**Host species :** Rabbit

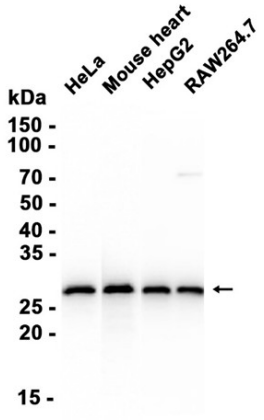
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|---|---|
| **Background** | This gene is evolutionarily conserved, and its product is proposed to play a role in human cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting regulatory RNA. Several pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013] |
| **Immunogen** | A synthetic peptide of human Prohibitin |
| **Gene ID** | 5245 |
| **Swiss Prot** | P35232 |
| **Synonyms** | PHB1; HEL-215; HEL-S-54e |
| **Reactivity** | Human,Mouse,Rat |
| **Application** | WB, IHC-P, ICC/IF, IP |
| **Calculated MW** | 30 kDa |
| **Observed MW** | 30 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR34304 |
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Concentration** | 1 mg/mL |

**Formulation** PBS Only

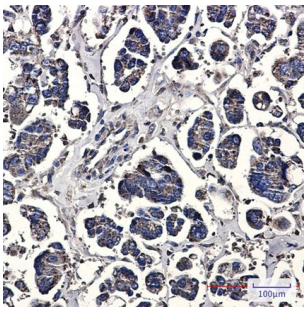
**Storage Stability** Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



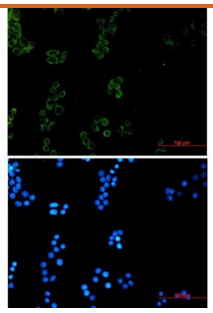

Western blot analysis of extracts from A549, HL-60, C6 cells using db11502 at 1:1000.



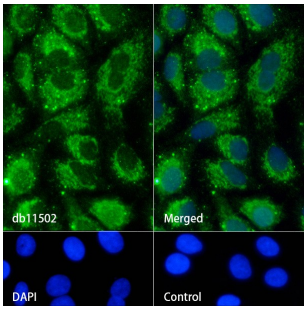

Western blot analysis of extracts from HeLa, HepG2, RAW264.7 cells and Mouse heart tissue using db11502 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human Cholangiocarcinoma using db11502 antibody.



Immunofluorescent analysis of HeLa cells using db11502 antibody (green), and DAPI (blue).




Immunofluorescence analysis of A549 cells labelling Prohibitin with db11502.

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 db11502 (1:100) 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.