

Recombinant

DGRmAb®

**Proteasome Activator Subunit 4 (DGR16232) Rabbit mAb (PBS Only)**

db14883-PBS

Package : 100µg

**Product Name** : Proteasome Activator Subunit 4 (DGR16232) Rabbit mAb (PBS Only)**Cat.No.:** db14883-PBS**Synonyms** : PA200**Application** : WB, IHC-P**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

Associated component of the proteasome that specifically recognizes acetylated histones and promotes ATP- and ubiquitin-independent degradation of core histones during spermatogenesis and DNA damage response. Recognizes and binds acetylated histones via its bromodomain-like (BRDL) region and activates the proteasome by opening the gated channel for substrate entry. Binds to the core proteasome via its C-terminus, which occupies the same binding sites as the proteasomal ATPases, opening the closed structure of the proteasome via an active gating mechanism. Component of the spermatoproteasome, a form of the proteasome specifically found in testis: binds to acetylated histones and promotes degradation of histones, thereby participating actively to the exchange of histones during spermatogenesis.

**Immunogen**

A synthetic peptide of human Proteasome Activator Subunit 4

**Gene ID**

23198

**Swiss Prot**

Q14997

**Synonyms**

PA200

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P

**Recommended dilution**WB: 1:1000  
IHC-P: 1:200-1:1000**Calculated MW**

211 kDa

**Observed MW**

211 kDa

**Host species**

Rabbit

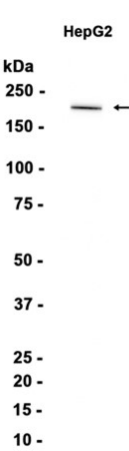
**Clonality**

Monoclonal

**Clonality No.**

DGR16232

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 HepG2 cells using [db14883](#)