

**Proteasome Activator Subunit 4 Recombinant Rabbit mAb**

Catalog: BS48397

Host: Rabbit

Reactivity: Human, Mouse, Rat

**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.

**Product:**

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.

**Molecular Weight:**

211 kDa

**Swiss-Prot:**

Q14997

**Purification&Purity:**

Affinity Purification

**Applications:**

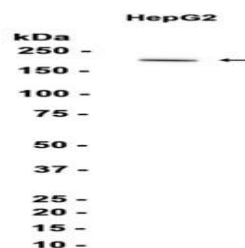
WB: 1:1000<br />IHC: 1:100<br />ICC/IF: 1:100<br />FC: 1:20

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Isotype:**

IgG

**DATA:**

Western blot analysis of extracts from HepG2 cells at 1:1000.

**Note:**

For research use only, not for use in diagnostic procedure.

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