

Anti-Tbp7 Rabbit Monoclonal Antibody

Catalog # ABO16692

Product Information

Application	WB
Primary Accession	P43686
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Tbp7 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	5704
Other Names	26S proteasome regulatory subunit 6B, 26S proteasome AAA-ATPase subunit RPT3, MB67-interacting protein, MIP224, Proteasome 26S subunit ATPase 4, Tat-binding protein 7, TBP-7, PSMC4, MIP224, TBP7
Calculated MW	47366
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names Immunogen	Clone: 31P63 A synthesized peptide derived from human Tbp7
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

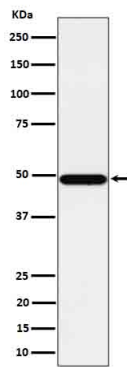
Protein Information

Name	PSMC4
Synonyms	MIP224, TBP7
Function	Component of the 26S proteasome, a multiprotein complex involved in the

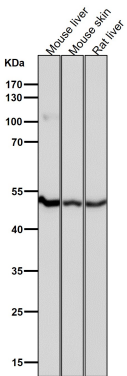
ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMC4 belongs to the heterohexameric ring of AAA (ATPases associated with diverse cellular activities) proteins that unfolds ubiquitinated target proteins that are concurrently translocated into a proteolytic chamber and degraded into peptides.

Cellular Location Cytoplasm. Nucleus.

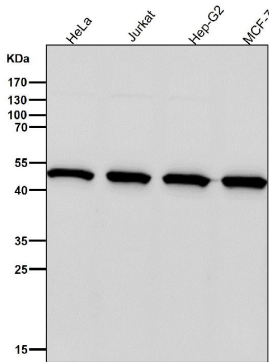
Images



Western blot analysis of Tbp7 expression in HeLa cell lysate.



All lanes use the Antibody at 1:3W dilution for 1 hour at room temperature.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.