Anti-Tbp7 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014349

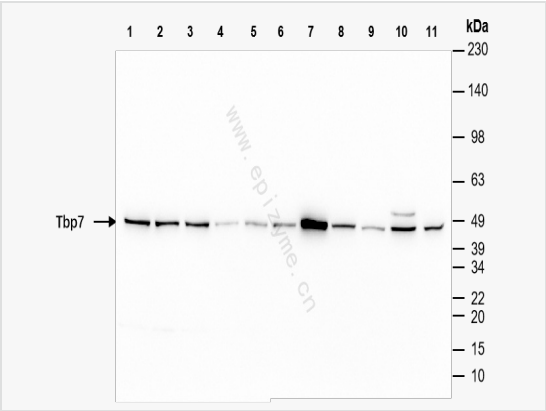
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	92L79F02
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Tbp7
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Tbp7 Rabbit mAb [92L79F02] is for research use only and not for use in diagnostic or therapeutic procedures.

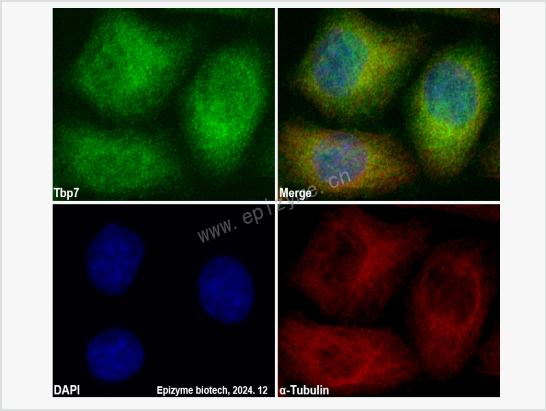
Protein Information

Synonyms	26S protease regulatory subunit 6B, 26S proteasome AAA ATPase subunit RPT3, 26S proteasome AAA-ATPase subunit RPT3, MB67 interacting protein, MB67-interacting protein, MIP224, Protease 26S subunit 6, Proteasome (prosome macropain) 26S subunit ATPase 4, Proteasome 19S S6, Proteasome 26S subunit ATPase 4, Proteasome 26S subunit, ATPase, 4, PRS6B_HUMAN, PSMC4, RPT3, S6, Tat binding protein 7, TAT-binding protein 7, TBP 7, TBP-7.
Calculated MW	Calculated MW: 47 kDa; Observed MW: 50 kDa
Uniprot ID	P43686
Gene ID	5704
Background	The 26S protease is involved in the ATP-dependent degradation of ubiquitinated proteins. The regulatory (or ATPase) complex confers ATP dependency and substrate specificity to the 26S complex.
Cellular Location	Cytoplasm. Nucleus.

Validation Images



Western Blot - Anti-Tbp7 Rabbit mAb [92L79F02]
All lanes: R014349 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: Rat kidney whole tissue lysates
Lane 7: Rat muscle whole tissue lysates
Lane 8: Rat spleen whole tissue lysates
Lane 9: Mouse small intestine whole tissue lysates
Lane10: Mouse heart whole tissue lysates
Lane11: Mouse brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 47 kDa
Observed band size: 50 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Tbp7 Rabbit mAb [92L79F02]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014349 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).