

ARG44000 anti-PSMD7 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PSMD7
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, WB
Host	Rabbit
Clonality	Polyclonal
Target Name	PSMD7
Species	Human
Immunogen	Human PSMD7 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PSMD7; Proteasome 26S Subunit, Non-ATPase 7; MOV34; Rpn8; S12; P40; Proteasome (Prosome, Macropain) 26S Subunit, Non-ATPase, 7 (Mov34 Homolog); 26S Proteasome Non-ATPase Regulatory Subunit 7; 26S Proteasome Regulatory Subunit S12; Proteasome Subunit P40; Mov34 Homolog; Proteasome (Prosome, Macropain) 26S Subunit, Non-ATPase, 7; Moloney Leukemia Virus-34 Proviral Integration; 26S Proteasome Regulatory Subunit Rpn8; 26S Proteasome Regulatory Subunit RPN8; Mov34 Protein Homolog; MOV34L

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 ⁶
	WB	0.1-0.25 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

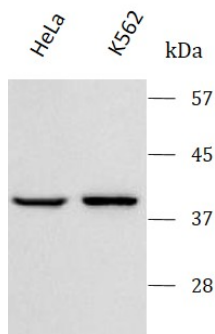
Form	Liquid
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	PSMD7
Gene Full Name	Proteasome 26S Subunit, Non-ATPase 7
Background	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17.
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.
Calculated Mw	37 kDa
PTM	Acetylation, Isopeptide bond, Ubl conjugation
Cellular Localization	Proteasome

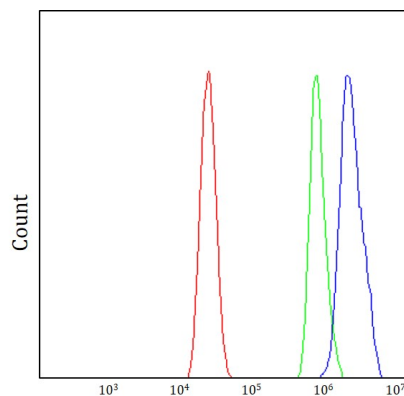
Images

ARG44000 anti-PSMD7 antibody WB image



Western blot: HeLa and K562 stained with ARG44000 anti-PSMD7 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.

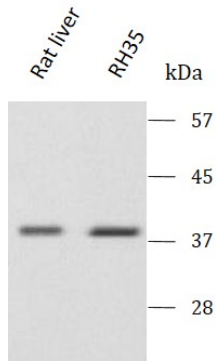
ARG44000 anti-PSMD7 antibody WB image FACS image



Flow Cytometry: MCF-7 cells stained with ARG44000 anti-PSMD7 antibody WB image (blue) at 1 $\mu\text{g}/1 \times 10^6$ cells dilution.

ARG44000 anti-PSMD7 antibody WB image

Western blot: Rat liver and RH35 stained with ARG44000 anti-PSMD7 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG44000 anti-PSMD7 antibody WB image

Western blot: Mouse liver and NIH/3T3 stained with ARG44000 anti-PSMD7 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.

