ARG41061
anti-PSMD11 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PSMD11
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PSMD11
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 253-422 of Human PSMD11 (NP_002806.2).
Conjugation	Un-conjugated
Alternate Names	S9; 26S proteasome non-ATPase regulatory subunit 11; Rpn6; p44.5; 26S proteasome regulatory subunit S9; 26S proteasome regulatory subunit RPN6; 26S proteasome regulatory subunit p44.5

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:200 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	LO2
Observed Size	47 kDa

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PSMD11
Gene Full Name	proteasome 26S subunit, non-ATPase 11
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. This gene encodes a member of the proteasome subunit S9 family that functions as a non-ATPase subunit of the 19S regulator and is phosphorylated by AMP-activated protein kinase. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]
Function	Component of the lid subcomplex of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. In the complex, PSMD11 is required for proteasome assembly. Plays a key role in increased proteasome activity in embryonic stem cells (ESCs): its high expression in ESCs promotes enhanced assembly of the 26S proteasome, followed by higher proteasome activity. [UniProt]
Calculated Mw	47 kDa
PTM	Phosphorylated by AMPK. [UniProt]
Cellular Localization	Nucleus. Cytoplasm, cytosol. [UniProt]

Images

ARG41061 anti-PSMD11 antibody WB image

Western blot: 25 µg of LO2 cell lysate stained with ARG41061 anti-PSMD11 antibody at 1:2000 dilution.