ARG41039
anti-PSMD8 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PSMD8
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PSMD8
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 101-350 of Human PSMD8 (NP_002803.2).
Conjugation	Un-conjugated
Alternate Names	HEL-S-91n; p31; HIP6; S14; 26S proteasome regulatory subunit S14; 26S proteasome non-ATPase regulatory subunit 8; 26S proteasome regulatory subunit RPN12; Rpn12; Nin1p; HYPF

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse skeletal muscle
Observed Size	35 kDa

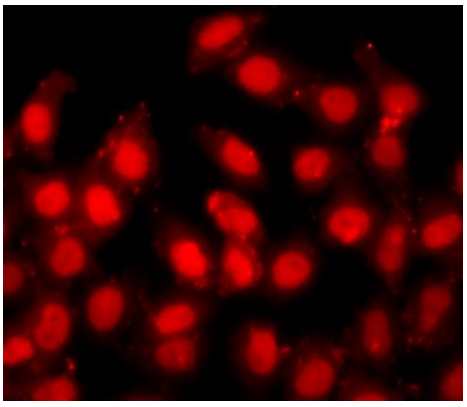
Properties

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

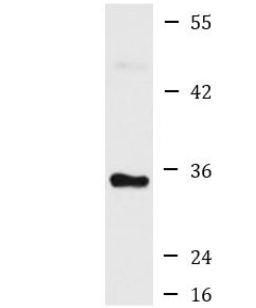
Gene Symbol	PSMD8
Gene Full Name	proteasome 26S subunit, non-ATPase 8
Background	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings 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 1. [provided by RefSeq, Jul 2008]
Function	Acts as a regulatory subunit of the 26S proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins. Necessary for activation of the CDC28 kinase. [UniProt]
Calculated Mw	40 kDa

Images



ARG41039 anti-PSMD8 antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG41039 anti-PSMD8 antibody.



Mouse skeletal muscle

ARG41039 anti-PSMD8 antibody WB image

Western blot: 25 µg of Mouse skeletal muscle lysate stained with ARG41039 anti-PSMD8 antibody at 1:1000 dilution.