ARG63253
anti-PSMF1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PSMF1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	WB
Specificity	This antibody is expected to recognize isoform 1 (NP_006805.2 and NP_848693.2).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PSMF1
Species	Human
Immunogen	C-DHLPPPGYDDMYL
Conjugation	Un-conjugated
Alternate Names	hPI31; PI31; Proteasome inhibitor PI31 subunit

Application Instructions

Application table

Application	Dilution
WB	1 - 3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

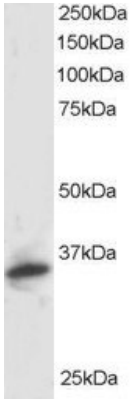
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

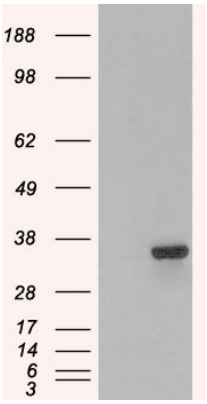
Database links	GeneID: 9491 Human Swiss-port # Q92530 Human
Background	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed 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 protein that inhibits the activation of the proteasome by the 11S and 19S regulators. Alternative transcript variants have been identified for this gene. [provided by RefSeq, Jul 2008]
Research Area	Cell Biology and Cellular Response antibody
Calculated Mw	30 kDa

Images



ARG63253 anti-PSMF1 antibody WB image

Western blot: Human Kidney lysate (RIPA buffer, 30 µg total protein per lane) stained with ARG63253 anti-PSMF1 antibody at 1 µg/ml dilution.



ARG63253 anti-PSMF1 antibody WB image

Western blot: 1). Mock transfection; 2) PSMF1 (RC218938) expressing plasmid transfected HEK293 cell lysate standed with ARG63253 anti-PSMF1 antibody.