ARG64946
anti-PSMB10 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PSMB10
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PSMB10
Species	Human
Immunogen	C-PTEPVKRSGRYH
Conjugation	Un-conjugated
Alternate Names	LMP10; Proteasome MECl-1; Proteasome subunit beta-2i; Low molecular mass protein 10; Macropain subunit MECl-1; EC 3.4.25.1; Proteasome subunit beta type-10; MECL1; Multicatalytic endopeptidase complex subunit MECl-1; beta2i

Application Instructions

Application table

Application	Dilution
IHC-P	5 - 10 µg/ml
WB	0.3 - 1 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
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.

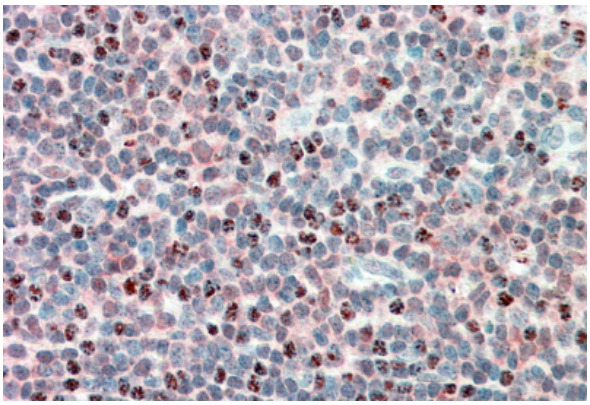
Bioinformation

Database links	GeneID: 5699 Human Swiss-port # P40306 Human
Background	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure 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. 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 member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Proteolytic processing is required to generate a mature subunit. Expression of this gene is induced by gamma interferon, and this gene product replaces catalytic subunit 2 (proteasome beta 7 subunit) in the immunoproteasome. [provided by RefSeq, Jul 2008]
Research Area	Cell Biology and Cellular Response antibody; Immune System antibody
Calculated Mw	29 kDa
PTM	Autocleaved. The resulting N-terminal Thr residue of the mature subunit is responsible for the nucleophile proteolytic activity.

Images

ARG64946 anti-PSMB10 antibody WB image

Western blot: 35 µg of Human Lung lysate stained with ARG64946 anti-PSMB10 antibody at 0.3 µg/ml dilution.



ARG64946 anti-PSMB10 antibody IHC image

Immunohistochemistry: paraffin-embedded Human Tonsil (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64946 anti-PSMB10 antibody at 5 µg/ml dilution, followed by AP-staining.