ARG40957
anti-PSMA5 / Proteasome 19S S5A antibody [426CT8.5.1]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes PSMA5 / Proteasome 19S S5A
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Bov
Tested Application	ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	426CT8.5.1
Isotype	IgG1
Target Name	PSMA5 / Proteasome 19S S5A
Species	Human
Immunogen	Purified His-tagged PSMA5 protein (fragment).
Conjugation	Un-conjugated
Alternate Names	Proteasome subunit alpha type-5; Macropain zeta chain; PSC5; Multicatalytic endopeptidase complex zeta chain; EC 3.4.25.1; ZETA; Proteasome zeta chain

Application Instructions

Application table

Application	Dilution
ICC/IF	1:25
IHC-P	1:25
WB	1:100 - 1:500

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	K562
Observed Size	26 kDa

Properties

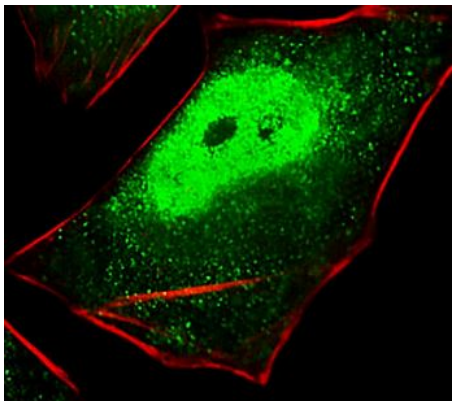
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost 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

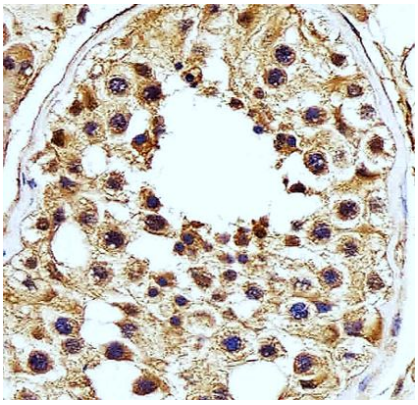
Gene Symbol	PSMA5
Gene Full Name	proteasome subunit alpha 5
Background	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings 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 peptidase T1A family, that is a 20S core alpha subunit. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]
Function	The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. [UniProt]
Calculated Mw	26 kDa
Cellular Localization	Cytoplasm. Nucleus. [UniProt]

Images



ARG40957 anti-PSMA5 / Proteasome 19S S5A antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG40957 anti-PSMA5 / Proteasome 19S S5A antibody (green) at 1:25 dilution. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



ARG40957 anti-PSMA5 / Proteasome 19S S5A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue stained with ARG40957 anti-PSMA5 / Proteasome 19S S5A antibody at 1:25 dilution.

ARG40957 anti-PSMA5 / Proteasome 19S S5A antibody WB image

Western blot: 35 µg of K562 cell lysate stained with ARG40957 anti-PSMA5 / Proteasome 19S S5A antibody.