

PSMA5 rabbit monoclonal antibody

Catalog # H00005686-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PSMA5 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PSMA5 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PSMA5 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PSMA5

Entrez GeneID [5686](#)

GeneBank Accession# [PSMA5](#)

Gene Name PSMA5

Gene Alias MGC117302, MGC125802, MGC125803, MGC125804, PSC5, ZETA

Gene Description proteasome (prosome, macropain) subunit, alpha type, 5

Omim ID [176844](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000013792|macropain subunit zeta|macropain zeta chain|multicatalytic endopeptidase complex zeta chain|proteasome alpha 5 subunit|proteasome component 5|proteasome subunit zeta|proteasome zeta chain

Pathway

- [Proteasome](#)