PSMA4 rabbit monoclonal antibody

Catalog # H00005685-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PSMA4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PSMA4 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 PSMA4 peptide by ELISA and mammalian transfected lysate by W estern 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 in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — PSMA4

Entrez GeneID	5685
GeneBank Accession#	PSMA4
Gene Name	PSMA4
Gene Alias	HC9, HsT17706, MGC111191, MGC12467, MGC24813, PSC9
Gene Description	proteasome (prosome, macropain) subunit, alpha type, 4
Omim ID	176846
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. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	macropain subunit C9|multicatalytic endopeptidase complex subunit C9|proteasome alpha 4 subunit|proteasome component C9|proteasome subunit HC9|proteasome subunit L

Pathway

- Proteasome

Disease

- Adenocarcinoma
- Carcinoma
- Cerebral Hemorrhage
- Genetic Predisposition to Disease

- Hypertension
- Intracranial Hemorrhages
- Kidney Failure
- Lung Neoplasms
- Stroke
- Subarachnoid Hemorrhage