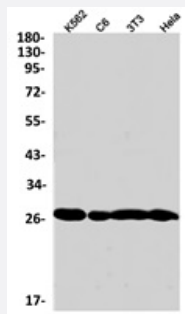


RecomAb™

PSMA6 recombinant monoclonal antibody, clone R01-4I2

Catalog # RAB04850 Size 100 uL

Applications



Western Blot (Cell lysate)

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PSMA6.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PSMA6.
Theoretical MW (kDa)	27
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)
- Immunocytochemistry
- Immunofluorescence

Gene Info — PSMA6

Entrez GeneID [5687](#)

Protein Accession# [P60900](#)

Gene Name PSMA6

Gene Alias IOTA, MGC22756, MGC2333, MGC23846, PROS27, p27K

Gene Description proteasome (prosome, macropain) subunit, alpha type, 6

Omim ID [602855](#)

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. A pseudogene has been identified on the Y chromosome. [provided by RefSeq]

Other Designations

27 kDa prosomal protein|OTTHUMP00000178843|macropain iota chain|macropain subunit iota|multicatalytic endopeptidase complex iota chain|prosomal P27K protein|proteasome alpha 6 subunit|proteasome iota chain|proteasome subunit iota

Pathway

- [Proteasome](#)

Disease

- [Angina](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Myocardial Infarction](#)
- [Psoriasis](#)
- [Renal Insufficiency](#)
- [Stroke](#)
- [Werner syndrome](#)