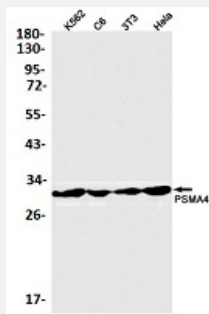


RecomAb™

PSMA4 recombinant monoclonal antibody, clone R08-8H3

Catalog # RAB04843 Size 100 uL

Applications



Western Blot (Cell lysate)

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PSMA4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PSMA4.
Theoretical MW (kDa)	29
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG

Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:100) Immunohistochemistry (Frozen sections) (1:50-1:100) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
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Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot (Cell lysate)
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation

Gene Info — PSMA4

Entrez GeneID	5685
Protein Accession#	P25789
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](#)