

PSMA4 Rabbit Polyclonal Antibody



CAB13535

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

29kDa

Calculated MW:

21kDa/29kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat, Monkey

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Immunogen information

Gene ID:

5685

Uniprot

P25789

Synonyms:

PSMA4; HC9; HsT17706; PSC9

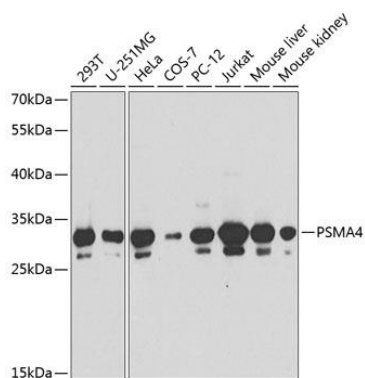
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-261 of human PSMA4 (NP_001096137.1).

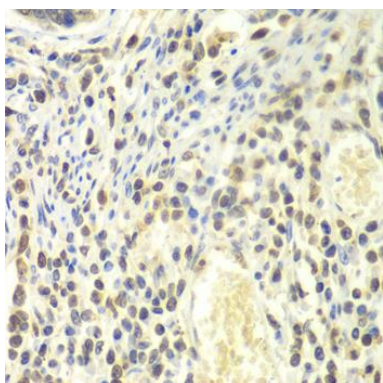
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

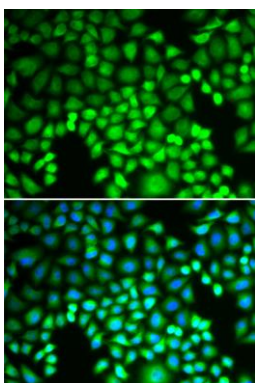
Product Images



Western blot analysis of extracts of various cell lines, using PSMA4 antibody (CAB13535) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry of paraffin-embedded human colon using PSMA4 antibody (CAB13535) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using PSMA4 antibody (CAB13535). Blue: DAPI for nuclear staining.