

Product datasheet for **TA365998S**

PSMB10 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: K562 cell lysate IHC: 100-200 Positive control: Human breast cancer Predicted cell location: Nucleus or Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human PSMB10
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	29 kDa
Gene Name:	proteasome subunit beta 10
Database Link:	Entrez Gene 5699 Human P40306



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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 proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Proteolytic processing is required to generate a mature subunit. Expression of this gene is induced by gamma interferon, and this gene product replaces catalytic subunit 2 (proteasome beta 7 subunit) in the immunoproteasome.

Synonyms:

beta2i; LMP10; MECL1; MGC1665

Product images:

kDa

130—

95—

72—

55—

36—

28—

17—



Gel: 8%SDS-PAGE

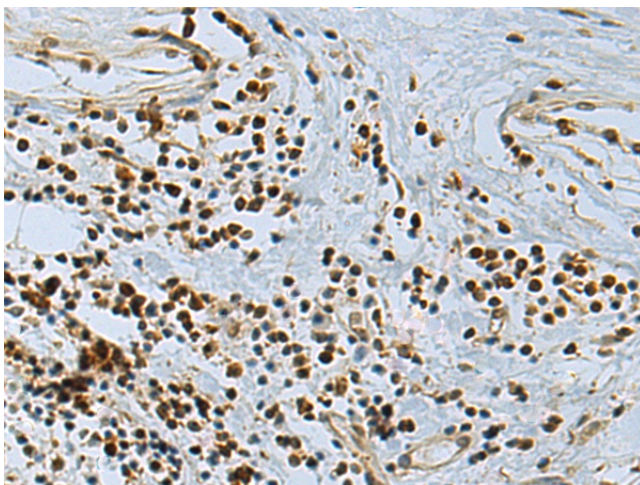
Lysate: 40 µg

Lane: K562 cell lysate

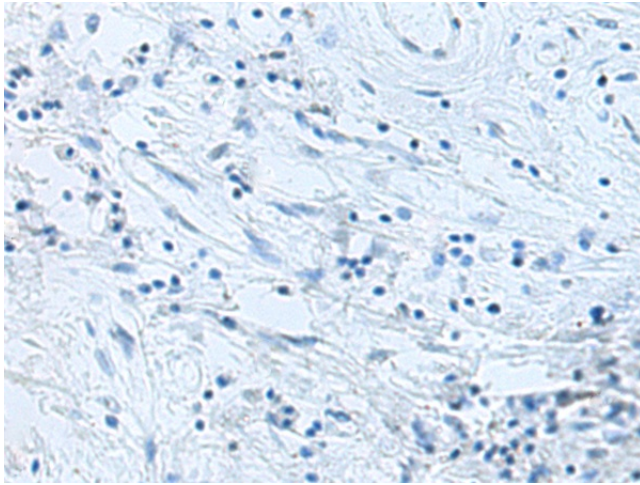
Primary antibody: [TA365998] (PSMB10 Antibody)
at dilution 1/700

Secondary antibody: Goat anti rabbit IgG at
1/5000 dilution

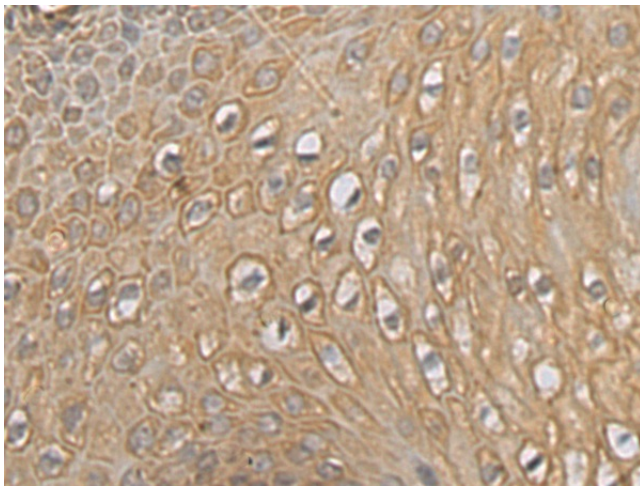
Exposure time: 2 minutes



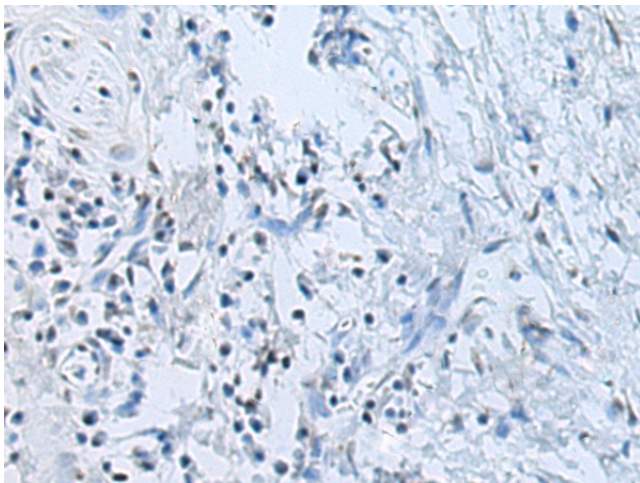
Immunohistochemistry of paraffin-embedded
Human breast cancer tissue using [TA365998]
(PSMB10 Antibody) at dilution 1/100 (Original
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA365998] (PSMB10 Antibody) at dilution 1/100, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA365998] (PSMB10 Antibody) at dilution 1/100 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA365998] (PSMB10 Antibody) at dilution 1/100, treated with fusion protein. (Original magnification: $\times 200$)