

Anti-PSMB8 Antibody (7P785)

Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human,Rat
Molecular Weight:	Actual: 23 kDa.
Clone:	7P785
Purification:	Protein G purified

Applications

1. Cell line: Raji
Fixative: 4% Paraformaldehyde
Permeabilization: 0.1% TritonX-100
Primary ab dilution: 1:50
Primary incubation condition: 4°C overnight
Secondary ab: Goat Anti-Rabbit IgG
Nuclear counter stain: DAPI (Blue)
Comment: Color green is the positive signal for TMAB-11869
2. Blocking buffer: 5% NFDM/TBST
Primary ab dilution: 1:1000
Primary ab incubation condition: 2 hours at room temperature
Secondary ab: Goat Anti-Rabbit IgG H&L (HRP)
Lysate: HeLa, Raji, Jurkat
Protein loading quantity: 20 µg
Exposure time: 1 s
Predicted MW: 23 kDa
Observed MW: 23 kDa
3. Tissue: Human lung squamous cancer
Section type: Formalin fixed & Paraffin-embedded section
Retrieval method: High temperature and high pressure
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Mouse)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-11869
4. Tissue: Rat colon
Section type: Formalin fixed & Paraffin-embedded section
Retrieval method: High temperature and high pressure
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Mouse)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-11869

Verified Activity:

A DRUG SCREENING EXPERT

Application: WB,IHC-P,IHC-Fr,ICC/IF,IF

Recommended WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Gene ID: 5696

Research 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. This gene is located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 3 (proteasome beta 5 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. Two alternative transcripts encoding two isoforms have been identified; both isoforms are processed to yield the same mature subunit. [provided by RefSeq, Jul 2008].

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