



SPP Mouse mAb

Catalog No	YP-mAb-18924
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HM13 H13 IMP1 PSL3 SPP MSTP086
Immunogen	Synthesized peptide derived from human SPP
Specificity	This antibody detects endogenous levels of SPP at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	H13;hIMP1;histocompatibility (minor) 13;HM13;IMP 1;IMP1;IMPAS;IMPAS 1; Intramembrane protease 1;MSTP086;Presenilin like protein 3;PSEN3;PSL3; Signal peptide peptidase;SPP;HM13 H13 IMP1 PSL3 SPP MSTP086;Minor histocompatibility antigen H13 (Intramembrane protease 1) (IMP-1) (IMPAS-1) (hIMP1) (Presenilin-like protein 3) (Signal peptide peptidase)
Observed Band	45 kDa, 100 kDa
Calculated Molecular Weight	377 aa, 41 kDa
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Membrane ; Multi-pass membrane protein ; Lumenal side .; [Isoform 4]: Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Widely expressed with highest levels in kidney, liver, placenta, lung, leukocytes and small intestine and reduced expression in heart and skeletal muscle. Expressed abundantly in the CNS with highest levels in thalamus and medulla.
Function	Catalyzes intramembrane proteolysis of some signal peptides after they have been cleaved from a preprotein, resulting in the release of the fragment from the ER membrane into the cytoplasm. Required to generate lymphocyte cell surface (HLA-E) epitopes derived from MHC class I signal peptides . May be necessary for the removal of the signal peptide that remains attached to the hepatitis C



virus core protein after the initial proteolytic processing of the polyprotein . Involved in the intramembrane cleavage of the integral membrane protein PSEN1 . Cleaves the integral membrane protein XBP1 isoform 1 in a DERL1/ RNF139-dependent manner . May play a role in graft rejection (By similarity).

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images