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Datasheet for ABIN7159822

anti-H13 antibody (AA 336-377)

2 Images

Overview

Quantity:	100 µg
Target:	H13
Binding Specificity:	AA 336-377
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This H13 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Minor histocompatibility antigen H13 protein (336-377AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	H13
Alternative Name:	HM13 (H13 Products)
Background:	Background: 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

Target Details

into the cytoplasm. Required to generate lymphocyte cell surface (HLA-E) epitopes derived from MHC class I signal peptides (PubMed:11714810). 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 (PubMed:12145199). Involved in the intramembrane cleavage of the integral membrane protein PSEN1 (PubMed:12077416, PubMed:11714810, PubMed:14741365). Cleaves the integral membrane protein XBP1 isoform 1 in a DERL1/RNF139-dependent manner (PubMed:25239945). May play a role in graft rejection (By similarity).

Aliases: dJ324O17.1 antibody, H13 antibody, hIMP1 antibody, Histocompatibility (minor) 13 antibody, HM13 antibody, HM13_HUMAN antibody, IMP-1 antibody, IMP1 antibody, IMPAS antibody, IMPAS-1 antibody, Intramembrane protease 1 antibody, Intramembrane protease antibody, Minor histocompatibility antigen 13 antibody, Minor histocompatibility antigen H13 antibody, MSTP086 antibody, OTTHUMP00000030527 antibody, OTTHUMP00000030528 antibody, OTTHUMP00000030530 antibody, OTTHUMP00000214528 antibody, Presenilin-like protein 3 antibody, PSENL3 antibody, PSL3 antibody, Signal peptide peptidase antibody, Signal peptide peptidase beta antibody, SPP antibody

UniProt: [Q8TCT9](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

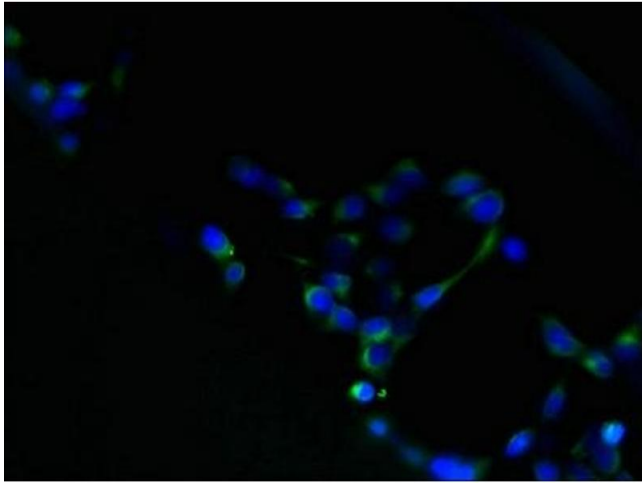
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

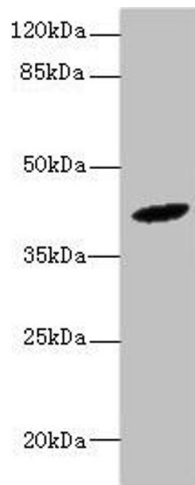
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of 293 cells using ABIN7159822 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western blot All lanes: HM13 antibody at 6 $\mu\text{g}/\text{mL}$ + Mouse liver tissue Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 42, 47, 44, 37 kDa Observed band size: 42 kDa