Datasheet for ABIN651076

anti-YME1L1 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	YME1L1
Binding Specificity:	AA 191-219, N-Term
Reactivity:	Human, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YME1L1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This YMEL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 191-219 amino acids from the N-terminal region of human YMEL1.
Clone:	RB24746
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	YME1L1

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Target Details

Alternative Name:	YMEL1 (YME1L1 Products)
Background:	YMEL1 is the human ortholog of yeast mitochondrial AAA metalloprotease, Yme1p. It is localized in the mitochondria and can functionally complement a yme1 disruptant yeast strain. It is proposed that this gene plays a role in mitochondrial protein metabolism and could be involved in mitochondrial pathologies.
Molecular Weight:	86455
Gene ID:	10730
NCBI Accession:	NP_001240795, NP_055078, NP_647473
UniProt:	Q96TA2

Application Details

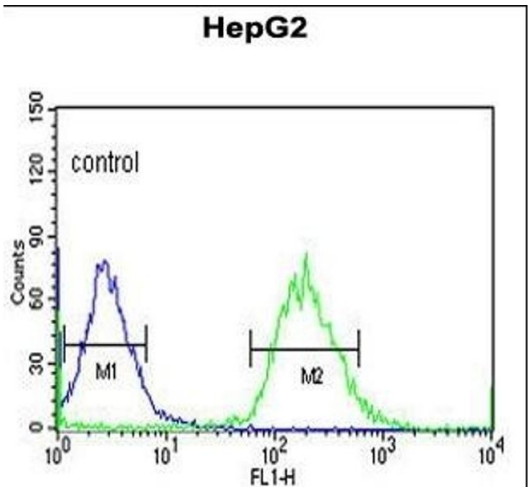
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

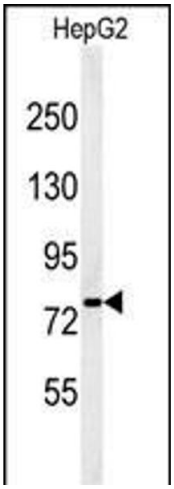
Publications

Product cited in:	Wu, Xiong, Wang, Miao, Liu, Li, Zou, Liu, Zhao, Yang: "Comparative study of ROR2 and WNT5a expression in squamous/adenosquamous carcinoma and adenocarcinoma of the gallbladder." in: **World journal of gastroenterology**, Vol. 23, Issue 14, pp. 2601-2612, (2018) (PubMed).



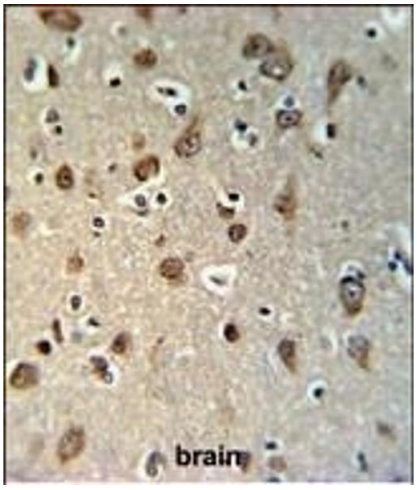
Flow Cytometry

Image 1. YMEL1 Antibody (N-term) (ABIN651076 and ABIN2840062) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of YMEL1 Antibody (N-term) (ABIN651076 and ABIN2840062) in HepG2 cell line lysates (35 µg/lane). YMEL1 (arrow) was detected using the purified Pab.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. YMEL1 Antibody (N-term) (ABIN651076 and ABIN2840062) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the YMEL1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.