Datasheet for ABIN2730892

anti-RNH1 antibody

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Overview

Quantity:	0.1 mL
Target:	RNH1
Reactivity:	Human, Rat, Dog, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RNH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	Full length human recombinant protein of human RNH1 (NP_002930) produced in HEK293T cell.
Clone:	3F11
Isotype:	IgG1
Purification:	Purified from mouse ascites fluids by affinity chromatography

Target Details

Target:	RNH1
Alternative Name:	RNH1 (RNH1 Products)
Molecular Weight:	49.8 kDa
Gene ID:	6050

Target Details

NCBI Accession:	NM_002939
HGNC:	6050

Application Details

Application Notes:	WB 1:500~2000, FLOW 1:100, IHC: 1:150
Comment:	The concentration of the product may vary between diferrent lots.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5-1.0 mg/mL
Buffer:	PBS (PH 7.3) containing 1 % BSA, 50 % glycerol and 0.02 % 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.

Publications

Product cited in:

Lee, Choi, Lee, Kim, Jung, Lee, Min, Hur, Lee, Lee, Kim, Lee, Shin, Shim, Kang, In: "Reactive Oxygen Species Modulator 1 (Romo1) Predicts Poor Outcomes in Advanced Non-small Cell Lung Cancer Patients Treated with Platinum-Based Chemotherapy." in: **Cancer research and treatment : official journal of Korean Cancer Association**, Vol. 49, Issue 1, pp. 141-149, (2018) (PubMed).

Lee, You, Lee, Hwang, Lee, Yoo: "Romo1 is a mitochondrial nonselective cation channel with viroporin-like characteristics." in: **The Journal of cell biology**, Vol. 217, Issue 6, pp. 2059-2071, (2018) (PubMed).

Kim, Jo, Kim, Kim, Jeong, Na, Park, Lee, Lee, Lee, Kim, Lee, Min, Yoo, Oh: "Reactive oxygen species modulator-1 (Romo1) predicts unfavorable prognosis in colorectal cancer patients." in: **PLoS ONE**, Vol. 12, Issue 5, pp. e0176834, (2017) (PubMed).

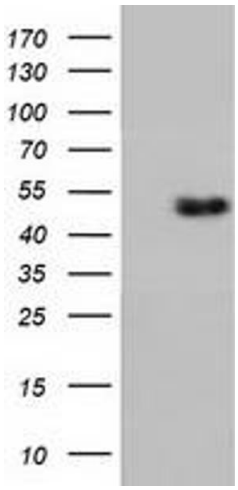
Lee, Park, Chung, Yoo: "Romo1 and the NF-?B pathway are involved in oxidative stress-induced

Publications

tumor cell invasion." in: **International journal of oncology**, Vol. 46, Issue 5, pp. 2021-8, (2015) (PubMed).

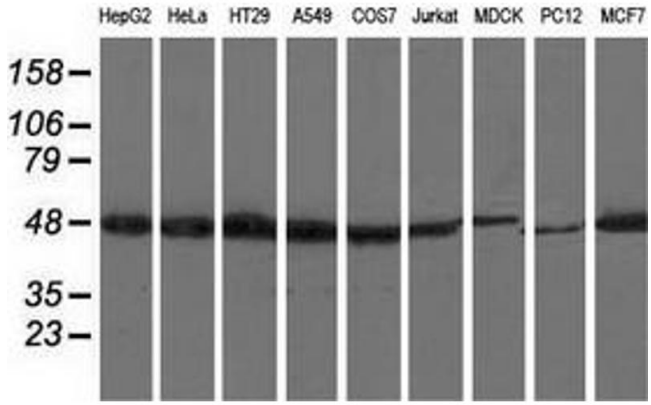
Mancini, Pieroni, Monteleone, Lucà, Fici, Luca, Urbani, Xiong, Soddu, Masetti, Lozano, Pontecorvi, Moretti: "MDM4/HIPK2/p53 cytoplasmic assembly uncovers coordinated repression of molecules with anti-apoptotic activity during early DNA damage response." in: **Oncogene**, (2015) (PubMed).

Images



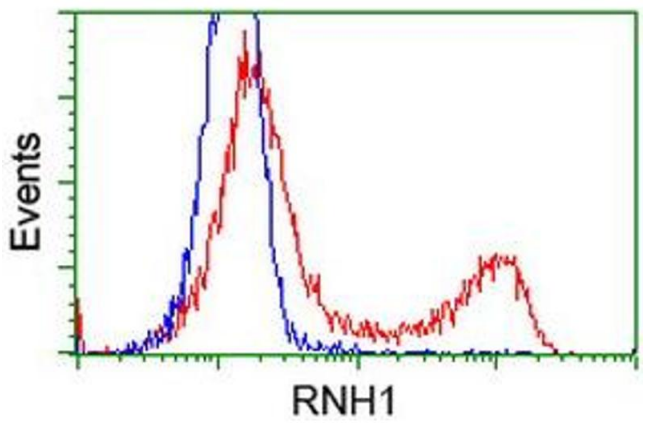
Western Blotting

Image 1. HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RNH1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 µg per lane) were separated by SDS-PAGE and immunoblotted with anti-RNH1.



Western Blotting

Image 2. Western blot analysis of extracts (35 µg) from 9 different cell lines by using anti-RNH1 monoclonal antibody.



Flow Cytometry

Image 3. HEK293T cells transfected with either RC208360 overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-RNH1 antibody (ABIN2453614), and then analyzed by flow cytometry.

