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Datasheet for ABIN1169126

anti-STOML2 antibody (AA 199-213)

1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	STOML2
Binding Specificity:	AA 199-213
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide corresponding to aa 199-213 of mouse SLP-2.
Specificity:	Recognizes human, mouse and rat SLP-2.
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)

Target Details

Target:	STOML2
Alternative Name:	SLP-2 (STOML2 Products)
Background:	SLP-2 (stomatin-like protein 2) is an unusual stomatin homolog. IT is a mitochondrial protein and functions in energy process by MMP maintenance, and subsequently affecting cell motility, proliferation and chemosensitivity. SLP-2 was identified as a cancer-related gene overexpressed in human ESCC, lung cancer, laryngeal cancer, and endometrial adenocarcinoma. In tumor cells, SLP-2 promotes cell growth, cell adhesion, and tumorigenesis.

Target Details

UniProt:	Q99JB2
Pathways:	SARS-CoV-2 Protein Interactome , The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 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.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months

Publications

Product cited in:	<p>Kaczmarek, Lagiedo, Masztalerz, Kozłowska, Nowicka, Brajer, Batura-Gabryel, Sikora: "Concentrations of SP-A and HSP70 are associated with polarization of macrophages in pleural effusions of non-small cell lung cancer." in: Immunobiology, Vol. 223, Issue 2, pp. 200-209, (2018) (PubMed).</p> <p>Yin, Feng, Zhao, Zhao, Yua, Xu, Che: "SIRT1 inhibits releases of HMGB1 and HSP70 from human umbilical vein endothelial cells caused by IL-6 and the serum from a preeclampsia patient and protects the cells from death." in: Biomedicine & pharmacotherapy, Vol. 88, pp. 449-458, (2017) (PubMed).</p>
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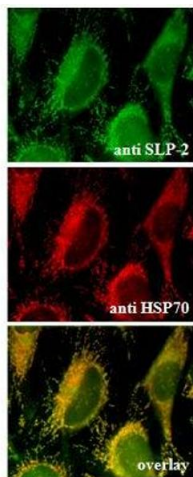
Sadowska-Krępa, Kłapcińska, Jagsz, Nowara, Szoltysek-Bołdys, Chalimoniuk, Langfort, Chrapusta: "High-dose testosterone enanthate supplementation boosts oxidative stress, but exerts little effect on the antioxidant barrier in sedentary adolescent male rat liver." in:

Pharmacological reports : PR, Vol. 69, Issue 4, pp. 673-678, (2017) ([PubMed](#)).

İn, Özdemir, Kaman, Sökücü: "Heat Shock Proteins, L-Arginine, and Asymmetric Dimethylarginine Levels in Patients With Obstructive Sleep Apnea Syndrome." in: **Archivos de bronconeumología**, Vol. 51, Issue 11, pp. 544-50, (2015) ([PubMed](#)).

Barros, Vasconcelos, Souza, Andrade, Moraes, Costa, Coelho, Garcia: "L-Alanyl-Glutamine Attenuates Oxidative Stress in Liver Transplantation Patients." in: **Transplantation proceedings**, Vol. 47, Issue 8, pp. 2478-82, (2015) ([PubMed](#)).

Images



Immunocytochemistry

Image 1. Endogenous SLP-2 is localized to the mitochondria (Immunocytochemical staining). Endogenous SLP-2 (green) (up) and endogenous mitochondrial HSP70 (red) (middle) were detected in methanol fixed HeLa cells using anti-SLP-2, pAb (1:100) and a pAb to mitochondrial HSP70, respectively. Picture courtesy of Dr. Sandrine Da Cruz, University of Geneva.