Datasheet for ABIN233801

anti-SEPHS2 antibody

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	SEPHS2
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEPHS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This Protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a full-length recombinant protein corresponding to mouse SPS2. Immunogentype:Recombinant
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	SEPHS2
Alternative Name:	Selenophosphate Synthetase 2 (SEPHS2 Products)
Background:	This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. Selenophosphate synthetase (SelD) catalyzes the conversion of selenium to selenophosphate which is required by a number of bacterial, archaeal and eukaryotic

Target Details

	organisms for synthesis of selenocysteine-tRNA, the precursor of selenocysteine in selenoenzymes. A second selenophosphate synthetase (SPS2) was identified in mammals. SPS2 is itself a selenoprotein in mammals. Synonyms: Selenide, water dikinase 2 antibody, Selenium donor protein 2 antibody, SEPHS2 antibody, SPS2 antibody
Gene ID:	20768, 14717785
UniProt:	P97364

Application Details

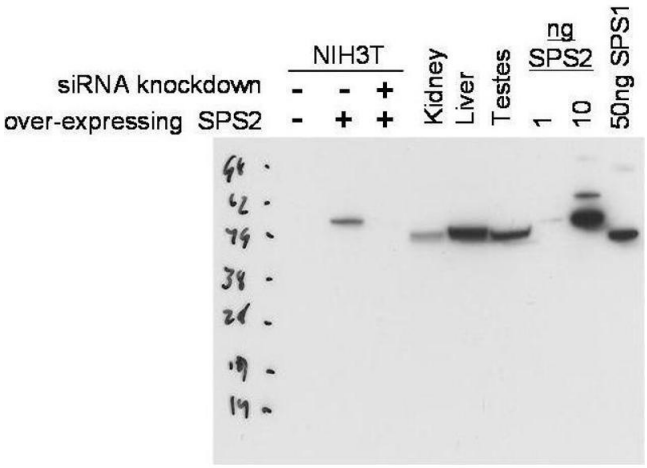
Application Notes:	This Protein A purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 48 kDa in size corresponding to SPS2 by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	2.3 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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:	-20 °C

Publications

Product cited in:	Pitts, Kremer, Hashimoto, Torres, Byrns, Williams, Berry: "Competition between the Brain and Testes under Selenium-Compromised Conditions: Insight into Sex Differences in Selenium Metabolism and Risk of Neurodevelopmental Disease." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 35, Issue 46, pp. 15326-38, (2015) (PubMed).



Western Blotting

Image 1. Western blot using Protein A purified anti-SPS2 antibody shows detection of SPS2 in NIH3T3 cells over-expressing this protein. No signal is seen in control lysates or in lysates from cells over-expressing the protein after pre-treatment with SPS2 siRNA. Endogenous SPS2 can be detected in mouse kidney, liver and testes tissue lysates. Partial cross-reactivity is seen against recombinant SPS1. The primary antibody was used at a 1:1000 dilution. Personal Communication, D. Hatfield, NCI, Bethesda, MD.