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Datasheet for ABIN1386636
anti-SPOCK1 antibody (AA 51-150)

1 Image

Overview

Quantity:	100 µL
Target:	SPOCK1
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPOCK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SPOCK1/Testican 1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SPOCK1
Alternative Name:	SPOCK1/Testican 1 (SPOCK1 Products)
Background:	Synonyms: Sparc/osteonectin, cwcv and kazal like domains proteoglycan 1, SPOCK, Testican 1,

Target Details

Testican1, Testican-1, TIC1, TICN1, TICN1_HUMAN.

Background: The Testican family, also designated the BM-40/SPARC/osteonectin family, is composed of highly conserved, extracellular, calcium-binding, sulfate proteoglycans.

Expression of Testicans is detected in a variety of tissues, but is most abundant in brain. Family members include Testican-1, Testican-2, Testican-3 and an amino-terminal splice variant of Testican-3, designated N-Tes. Most Testicans inhibit MT-MMPs, thereby inhibiting the activity of pro-MMP-2. Testican-1 is specifically expressed in the thalamus of the brain, and is upregulated in activated astroglial cells of the cerebrum where it mediates neuronal attachment and matrix metalloproteinase activation. After a neural injury, such as a cerebral stroke, Testican-1 expression is upregulated in astrocyte cells in order to inhibit the ability of the protein Neuro-2a to form neurite extensions. Testican-1 is also a component of joint and of the growth plate cartilage that may participate in the regulation of matrix turnover.

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

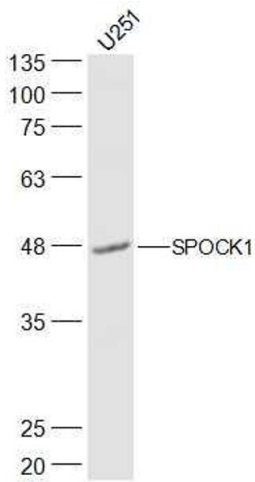
Preservative: ProClin

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

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months



Western Blotting

Image 1. U251 lysates probed with SPOCK1 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.