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Datasheet for ABIN1394362

anti-SPOCK1 antibody (Alexa Fluor 488)

Overview

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| Quantity: | 100 µL |
| Target: | SPOCK1 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SPOCK1 antibody is conjugated to Alexa Fluor 488 |
| Application: | Western Blotting (WB) |

Product Details

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| 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

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|-------------------|--|
| Target: | SPOCK1 |
| Alternative Name: | Spock1/Testican 1 (SPOCK1 Products) |
| Background: | Synonyms: Sparc/osteonectin, cwcv and kazal like domains proteoglycan 1, SPOCK, Testican 1, Testican1, Testican-1, TIC1, TICN1, TICN1_HUMAN. |

Target Details

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

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| Application Notes: | IF(IHC-P) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| 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 |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |