

Datasheet for ABIN1449260

anti-SIPA1 antibody

2 Images

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Overview

| | |
|--------------|---|
| Quantity: | 0.1 mg |
| Target: | SIPA1 |
| Reactivity: | Mouse, Hamster |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This SIPA1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunoprecipitation (IP) |

Product Details

| | |
|-----------------------------|---|
| Immunogen: | Wister rat splenocyte immunized with the baculoviral expressed recombinant mouse SPA-1 |
| Clone: | 2-22-9 |
| Isotype: | IgG2a |
| Cross-Reactivity (Details): | Species reactivity (tested): Mouse (Ba/F3, NIH/3T3, WR19L, MEF), Hamster (CHO). Does not react with Human (HL-60, Jurkat, Raji) or Rat (Rat-1). |
| Purification: | Anion exchange column chromatography |

Target Details

| | |
|-------------------|---|
| Target: | SIPA1 |
| Alternative Name: | SIPA1 / SPA1 (SIPA1 Products) |
| Background: | SPA-1 , signal-induced proliferation associated gene 1, encodes a 130 kDa protein (p130 SPA-1 |

Target Details

) with a domain related to Rap1 GTPase activating protein (Rap1GAP) at the N-terminus and to PDZ protein interaction domain followed by a leucine zipper motif at the C-terminus. It exhibits a specific GAP activity for Ras-related regulatory proteins Rap1 and Rap2, but not for other small GTPases. p130 SPA-1 was mostly localized at both the plasma membrane and the perinuclear membranous region co-localizing with Rap1 and Rap2. Expression of SPA-1 and rap1GAP genes tended to be segregate in various tissues, lymphoid and hematopoietic tissues expressing abundant SPA-1 transcript without rap1GAP, while those such as brain, kidney and pancreas exhibiting rap1GAP mRNA with little SPA-1. Synonyms: GTPase-activating protein Spa-1, Signal-induced proliferation-associated protein 1, Sipa-1, Spa-1, p130 SPA-1

Gene ID: 10090

UniProt: [P46062](#)

Pathways: [Response to Water Deprivation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

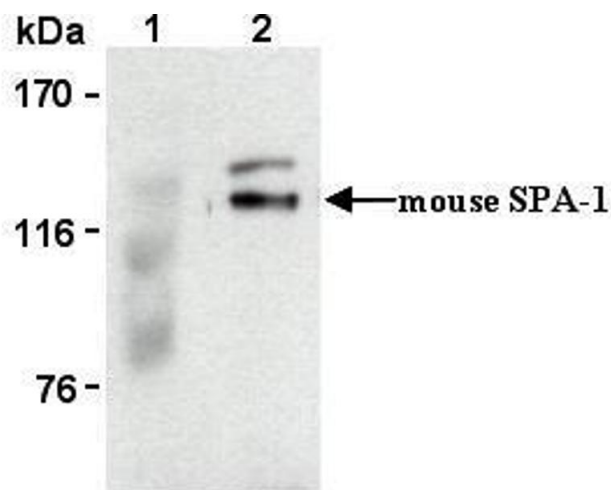
Buffer: PBS containing 50 % glycerol, pH 7.2. No preservative is contained.

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing.

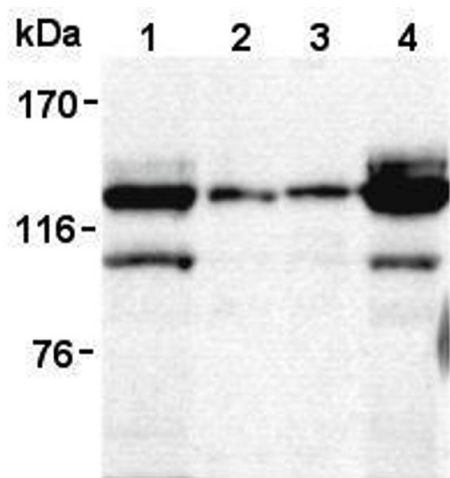
Storage: -20 °C

Storage Comment: Upon receipt, store (in aliquots) at -20 °C.



Western Blotting

Image 1.



Western Blotting

Image 2.