

**SLP2 Antibody**  
Rabbit mAb  
Catalog # AP92860

## Specification

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### SLP2 Antibody - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, FC, ICC, IP        |
| Primary Accession | <a href="#">O9UJZ1</a> |
| Reactivity        | Rat                    |
| Clonality         | Monoclonal             |

#### Other Names

EPB72 like protein 2; HSPC108; Paraprotein target 7; Paratarg 7; SLP2; Stomatin (EPB72) like 2; Stomatin like 2; Stomatin like protein 2; Stomatin-like protein 2; STOML2;

|               |            |
|---------------|------------|
| Isotype       | Rabbit IgG |
| Host          | Rabbit     |
| Calculated MW | 38534 Da   |

### SLP2 Antibody - Additional Information

|                              |  |
|------------------------------|--|
| Purification                 | Affinity-chromatography  |
| Immunogen                    | A synthesized peptide derived from human SLP2  |
| Description                  | Probably regulates the biogenesis and the activity of mitochondria. Stimulates cardiolipin biosynthesis, binds cardiolipin-enriched membranes where it recruits and stabilizes some proteins including prohibitin and may therefore act in the organization of functional microdomains in mitochondrial membranes. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.  |

### SLP2 Antibody - Protein Information

**Name** STOML2

**Synonyms** SLP2

#### Function

Mitochondrial protein that probably regulates the biogenesis and the activity of mitochondria. Stimulates cardiolipin biosynthesis, binds cardiolipin-enriched membranes where it recruits and stabilizes some proteins including prohibitin and may therefore act in the organization of functional microdomains in mitochondrial membranes. Through regulation of the mitochondrial

function may play a role into several biological processes including cell migration, cell proliferation, T-cell activation, calcium homeostasis and cellular response to stress. May play a role in calcium homeostasis through negative regulation of calcium efflux from mitochondria. Required for mitochondrial hyperfusion a pro-survival cellular response to stress which results in increased ATP production by mitochondria. May also regulate the organization of functional domains at the plasma membrane and play a role in T-cell activation through association with the T- cell receptor signaling complex and its regulation.

#### Cellular Location

Cell membrane; Peripheral membrane protein. Mitochondrion. Mitochondrion inner membrane; Lipid-anchor. Mitochondrion intermembrane space. Membrane raft. Cytoplasm, cytoskeleton  
Note=Behaves as an integral membrane protein of the mitochondrion despite the absence of a detectable transmembrane domain (PubMed:21746876). Also associates with the actin cytoskeleton and membrane rafts in activated T-cells (PubMed:10713127, PubMed:18641330) A minor pool is associated with the plasma membrane and is enriched at the immunological synapse in activated T-cells (PubMed:22623988)

#### Tissue Location

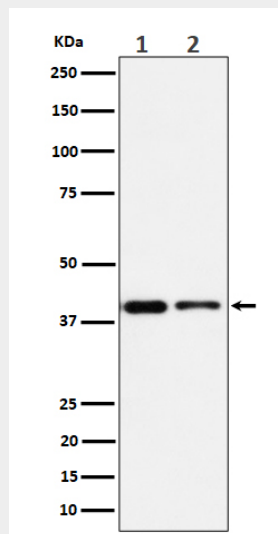
Ubiquitously expressed at low levels. Expressed in lymphoid tissues (at protein level).

#### SLP2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### SLP2 Antibody - Images



Western blot analysis of SLP2 expression in (1) Jurkat cell lysate; (2) RAW 264.7 cell lysate.