

**Sos1 Antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14944****Specification**

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**Sos1 Antibody - N-terminal region - Product Information**

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|-------------------|----------------------------------------------------------------|
| Application       | WB                                                             |
| Primary Accession | <a href="#">Q62245</a>                                         |
| Other Accession   | <a href="#">NM_009231</a> , <a href="#">NP_033257</a>          |
| Reactivity        | Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog |
| Host              | Rabbit                                                         |
| Clonality         | Polyclonal                                                     |
| Calculated MW     | 151kDa KDa                                                     |

**Sos1 Antibody - N-terminal region - Additional Information****Gene ID** 20662**Alias Symbol** **4430401P03Rik, 9630010N06, AI449023**  
**Other Names**  
Son of sevenless homolog 1, SOS-1, mSOS-1, Sos1**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Sos1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Sos1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Sos1 Antibody - N-terminal region - Protein Information****Name** Sos1**Function**

Promotes the exchange of Ras-bound GDP by GTP. Probably by promoting Ras activation, regulates phosphorylation of MAP kinase MAPK3 in response to EGF (By similarity). Catalytic component of a trimeric complex that participates in transduction of signals from Ras to Rac by promoting the Rac-specific guanine nucleotide exchange factor (GEF) activity (PubMed:&lt;a href="http://www.uniprot.org/citations/10499589" target="\_blank"&gt;10499589&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/11524436" target="\_blank"&gt;11524436&lt;/a&gt;).

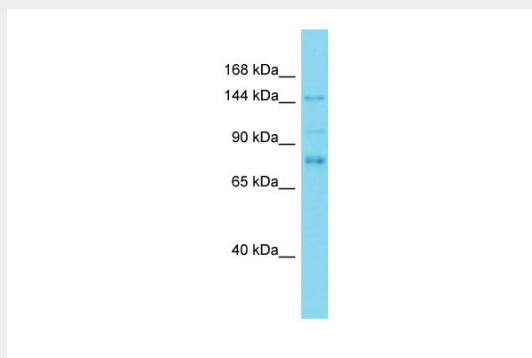
**Tissue Location**

Expressed in most embryonic and adult tissues.

**Sos1 Antibody - N-terminal region - 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](#)

**Sos1 Antibody - N-terminal region - Images**

Host: Rabbit

Target Name: Sos1

Sample Tissue: Mouse Spleen lysates

Antibody Dilution: 1.0µg/ml

**Sos1 Antibody - N-terminal region - References**

- Bowtell D.D., et al. Proc. Natl. Acad. Sci. U.S.A. 89:6511-6515(1992).  
Scita G., et al. Nature 401:290-293(1999).  
Scita G., et al. J. Cell Biol. 154:1031-1044(2001).  
Munton R.P., et al. Mol. Cell. Proteomics 6:283-293(2007).  
Villen J., et al. Proc. Natl. Acad. Sci. U.S.A. 104:1488-1493(2007).