

# Anti-SOS1 Rabbit Monoclonal Antibody

Catalog # ABO13550

## Product Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC                                                                                                            |
| <b>Primary Accession</b> | <a href="#">Q07889</a>                                                                                                      |
| <b>Host</b>              | Rabbit                                                                                                                      |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                  |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                           |
| <b>Clonality</b>         | Monoclonal                                                                                                                  |
| <b>Format</b>            | Liquid                                                                                                                      |
| <b>Description</b>       | Anti-SOS1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 6654                                                                                                                                       |
| <b>Other Names</b>         | Son of sevenless homolog 1, SOS-1, SOS1                                                                                                    |
| <b>Calculated MW</b>       | 152464                                                                                                                                     |
| <b>Application Details</b> | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200                                                                                     |
| <b>Tissue Specificity</b>  | Expressed in gingival tissues..                                                                                                            |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: ABBE-19                                                                                                                             |
| <b>Immunogen</b>           | A synthesized peptide derived from human SOS1                                                                                              |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

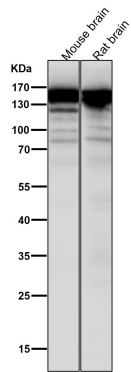
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|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | SOS1                                                                                                                                                     |
| <b>Function</b> | Promotes the exchange of Ras-bound GDP by GTP (PubMed: <a href="#">8493579</a> ). Probably by promoting Ras activation, regulates phosphorylation of MAP |

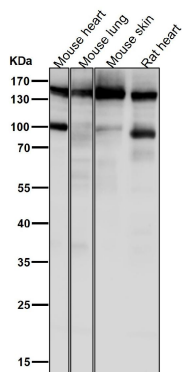
kinase MAPK3/ERK1 in response to EGF (PubMed:[17339331](#)). Catalytic component of a trimeric complex that participates in transduction of signals from Ras to Rac by promoting the Rac-specific guanine nucleotide exchange factor (GEF) activity (By similarity).

**Tissue Location** Expressed in gingival tissues.

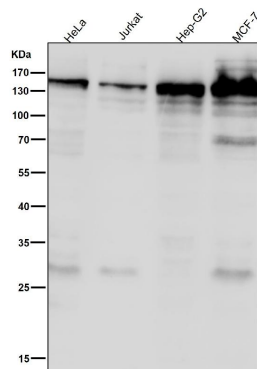
Images



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

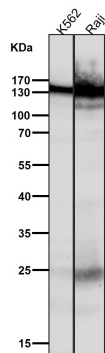


All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

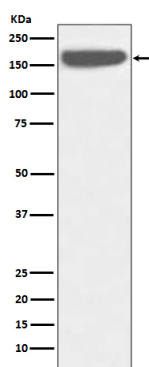


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Western blot analysis of SOS1 expression in HeLa cell lysate.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.