

# SOS1 Antibody

Rabbit mAb

Catalog # AP91267

## Product Information

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<b>Application</b>	WB, IHC, IF, ICC, IHF
<b>Primary Accession</b>	<a href="#">Q07889</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	alternate SOS1; GF1; GGF1; GINGF; gingival fibromatosis; HGF; NS4; Sos1;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	152464

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human SOS1
<b>Description</b>	Promotes the exchange of Ras-bound GDP by GTP.
<b>Storage Condition and Buffer</b>	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.

## Protein Information

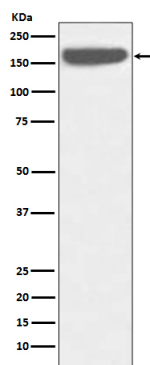
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<b>Name</b>	SOS1
<b>Function</b>	Promotes the exchange of Ras-bound GDP by GTP (PubMed: <a href="#">8493579</a> ). Probably by promoting Ras activation, regulates phosphorylation of MAP kinase MAPK3/ERK1 in response to EGF (PubMed: <a href="#">17339331</a> ). 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).
<b>Tissue Location</b>	Expressed in gingival tissues.

## Images

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Western blot analysis of SOS1 expression in HeLa cell lysate.



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