

Rabbit SOS1 Polyclonal Antibody | anti-SOS1 antibody

SOS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329506	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)	ELISA, Western Blot

PRODUCT SYNONYMS

SOS1; Polyclonal Antibody; SOS1 Antibody; alternate SOS1; GF1; GGF1; GINGF; gingival fibromatosis; gingival fibromatosis hereditary 1; Guanine nucleotide exchange factor; HGF; NS4; Son of sevenless homolog 1 (Drosophila); Son of sevenless homolog 1; SOS Ras/Rac guanine nucleotide exchange factor 1; SOS-1; Sos1; SOS1_HUMAN; anti-SOS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	SOS1 Antibody detects endogenous levels of total SOS1. Tissue Specificity: Expressed in gingival tissues.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SOS1 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SOS1, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylation at Ser-1134 and Ser-1161 by RPS6KA3 create YWHAB and YWHAE binding sites and which contribute to the negative regulation of EGF-induced MAPK1/3 phosphorylation.
Subunit Structure	Interacts (via C-terminus) with GRB2 (via SH3 domain). Forms a complex with phosphorylated MUC1 and GRB2 (via its SH3 domains). Interacts with phosphorylated LAT2. Interacts with NCK1 and NCK2. Part of a complex consisting of ABI1, EPS8 and SOS1 (By similarity). Interacts (Ser-1134 and Ser-1161 phosphorylated form) with YWHAB and YWHAE.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from Raji , using SOS1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from HUVEC cells, using SOS1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SOS1 antibody	Promotes the exchange of Ras-bound GDP by GTP. Probably by promoting Ras activation, regulates phosphorylation of MAP kinase MAPK3 in response to EGF. 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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15529996
NCBI GeneID	6654
NCBI Accession #	NP_005624.2
NCBI GenBank Nucleotide #	NM_005633.3
UniProt Accession #	Q07889; A8K2G3
Molecular Weight	1333
NCBI Official Full Name	son of sevenless homolog 1
NCBI Official Synonym Full Names	son of sevenless homolog 1 (Drosophila)
NCBI Official Symbol	SOS1
NCBI Official Synonym Symbols	GF1; HGF; NS4; GGF1; GINGF
NCBI Protein Information	son of sevenless homolog 1; SOS-1; guanine nucleotide exchange factor; gingival fibromatosis, hereditary, 1
UniProt Protein Name	Son of sevenless homolog 1
UniProt Gene Name	SOS1
UniProt Synonym Gene Names	SOS-1
UniProt Entry Name	SOS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.