

Rabbit SOS1 Polyclonal Antibody | anti-SOS1 antibody

Anti-SOS1 Antibody Picoband

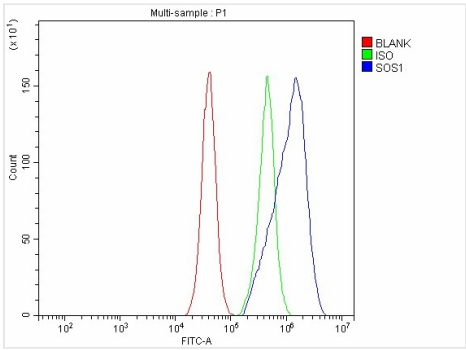
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19738	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

SOS1; Polyclonal Antibody; Anti-SOS1 Antibody Picoband; anti-SOS1 antibody

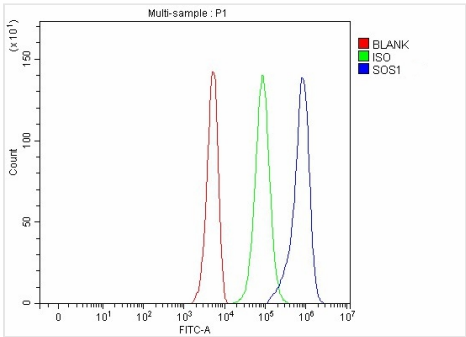
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-SOS1 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human, Mouse, Rat FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human SOS1 recombinant protein (Position: H177-A1288). Human SOS1 shares 96.5% amino acid (aa) sequence identity with mouse SOS1.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 9. Flow Cytometry analysis of U87 cells using anti-SOS1 antibody (AAA19738).Overlay histogram showing U87 cells stained with AAA19738 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-SOS1 Antibody (AAA19738, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



FCM (Flow Cytometry)

Figure 8. Flow Cytometry analysis of K562 cells using anti-SOS1 antibody (AAA19738).Overlay histogram showing K562 cells stained with AAA19738 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-SOS1 Antibody (AAA19738, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



ADDITIONAL INFORMATION

AAA19738 | For Research Use Only. Not for use in diagnostic procedures.

References	1. Bowtell, D., Fu, P., Simon, M. A., Senior, P. Identification of murine homologues of the Drosophila Son of sevenless gene: potential activators of ras. Proc. Nat. Acad. Sci. 89: 6511-6515, 1992. 2. Chardin, P., Camonis, J. H., Gale, N. W., Van Aelst, L., Schlessinger, J., Wigler, M. H., Bar-Sagi, D. Human Sos1: a guanine nucleotide exchange factor for Ras that binds to GRB2. Science 260: 1338-1343, 1993.3. Ferrero, G. B., Baldassarre, G., Delmonaco, A. G., Biamino, E., Banaudi, E., Carta, C., Rossi, C., Silengo, M. C. Clinical and molecular characterization of 40 patients with Noonan syndrome. Europ. J. Med. Genet. 51: 566-572, 2008.
------------	---

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.