

DNAxPAb

Hard-to-Find
Antibody

SOS1 DNAxPab

Catalog # H00006654-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human SOS1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MQAQQLPYEFFSEENAPKWRGLLPALKKVQGVHPTLESNDDALQYVEELILQLLNMLCQAQP
RSASDVEERVQKSFPHPIDKWAIDAQSAIEKRKRNPPLSLPVEKIHPLLKEVLGYKIDHQVSVYV
AVLEYISADILKLVGNVVRNIRHYEITKQDIKVAMCADKVLMDMFHQDVEDINILSLTDEEPSTSGEQ
TYIDLVKAFMAEIRQYIRELNLIKVFREPFSNSKLFSSANDVENIFSRVDIHEL SVKLLGHIEDTVEM
TDEGSPHPLVGSCFEDLAEELAFDPYESYARDILRPGFHDRFLSQLSKPGAALYLSIGEGFKEA
VQYVLPRLLLAPVYHCLHYFELLKQLEEKSEDQEDKECLKQAITALLNVQSGMEKICSKSLAKRRL
SESACRFYSQQMKGKQLAIKKMNEIQKNIDGWEGKDIGQCCNEFIMEGTLTRVGAKHERHIFLFDG
LMICCKSNHGQPRLP GASNAEYRLKEKFFMRKVQINDKDDTNEYKHAFEILKDENSVIFSASAE
EKNNWMAALISLQYRSTLERMLDVTMLQEEKEEQMRLPSADVYRFAEPDSEENIIFEENMQPKAG
IPIIKAGTVIKLIERLTYHMYADPNFVRTFLT TYRSFCKPQELLSLIERFEIPEPEPTADRIAENGDQP
LSAELKRFRKEYIQPVQLRVLNVCRHWEHHFYDFERDAYLLQRMEEFIGTVRGKAMKKWVESIT
KIQRKKIARDNGPGHNITFQSSPPTVEWHISRPGHIEFTDLLTHPIEIRQLTLES DLYRAVQPSEL
VGSVWTKEDKEINSPNLLKMIRHTTNLTWFEKCMETENLEERVAVVSRIIEILQVFQELNNFNGLV
EVVSAMNSSPVYRLDHTFEQIPSRQKKILEEAHELSEDHYKKYLAKLRSINPPCVFFGIYLTNLIK
EEGNPEVLKRHGKELINF SKRRKVAEITGEIQYQNPYCLRVESDIKRFENLNPMGNSMEKEFT
DYLFNKSLEIEPRNPKPLPRFPKKYSYPLKSPGVRPSNPRPGTMRHPTPLQQEPRKISYSRIPESE
TESTASAPNSPRTPLTPPPASGASSTTDVCSVFDSDHSSPFHSSNDTVFIQVTLPHGPRASVSS
ISLTKGTDEVPVPPVPVPPRRRPESAPAESSPSKIMSKHLDSPPAIPPRQPTSKAYSPRYSISDRTSI
SDPPESPPLLPREPVRTPDVFSSSPLHLQPPPLGKKSDHGNAFFPNSPSPFTPPPPQTPSPHG
TRRHLPSPPLTQEVDLHSIAGPPVPPRQSTSQHIPP KLPKTYKREHTHPSMHRDGPPLLENAHSS

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — SOS1

Entrez GeneID [6654](#)**GeneBank Accession#** [BC140215.1](#)**Protein Accession#** [AA40216.1](#)**Gene Name** SOS1**Gene Alias** GF1, GGF1, GINGF, HGF, NS4**Gene Description** son of sevenless homolog 1 (Drosophila)**Omim ID** [135300](#) [182530](#) [610733](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes a protein that is a guanine nucleotide exchange factor for RAS proteins, membrane proteins that bind guanine nucleotides and participate in signal transduction pathways. GTP binding activates and GTP hydrolysis inactivates RAS proteins. The product of this gene may regulate RAS proteins by facilitating the exchange of GTP for GDP. Mutations in this gene are associated with gingival fibromatosis 1 and Noonan syndrome type 4. [provided by RefSeq]

Other Designations OTTHUMP00000128306|gingival fibromatosis, hereditary, 1|guanine nucleotide exchange factor|son of sevenless homolog 1

Pathway

- [Acute myeloid leukemia](#)

- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Dorso-ventral axis formation](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)

Disease

- [Abnormalities](#)

- [Angina Pectoris](#)
- [Articulation Disorders](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Coronary Vasospasm](#)
- [Craniofacial Abnormalities](#)
- [Developmental Disabilities](#)
- [Diabetes Mellitus](#)
- [Dyslexia](#)
- [Ectodermal Dysplasia](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Hearing](#)
- [Hearing Loss](#)
- [Heart Defects](#)
- [Language Disorders](#)
- [LEOPARD Syndrome](#)
- [Leukemia](#)
- [Memory](#)
- [Motor Skills](#)
- [Motor Skills Disorders](#)
- [Neuropsychological Tests](#)
- [Noonan Syndrome](#)
- [Skin Abnormalities](#)

- [Syndrome](#)
- [Tobacco Use Disorder](#)