

Datasheet for ABIN7170318
anti-SOS1 antibody (AA 1140-1281)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	SOS1
Binding Specificity:	AA 1140-1281
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOS1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Son of sevenless homolog 1 protein (1140-1281AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	SOS1
Alternative Name:	SOS1 (SOS1 Products)
Target Type:	Viral Protein
Background:	Background: Promotes the exchange of Ras-bound GDP by GTP (PubMed:8493579). Probably

Target Details

by promoting Ras activation, regulates phosphorylation of MAP kinase MAPK3 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).

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

UniProt: [Q07889](#)

Pathways: [RTK Signaling](#), [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Hepatitis C](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [BCR Signaling](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

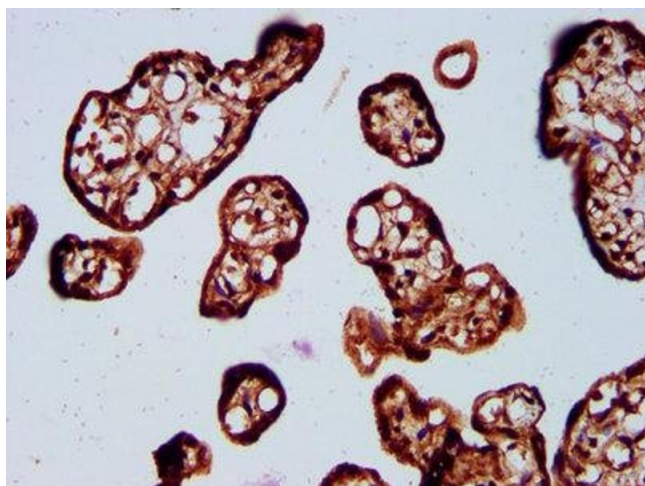
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

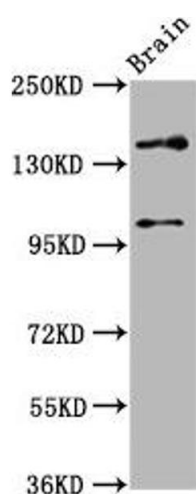
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



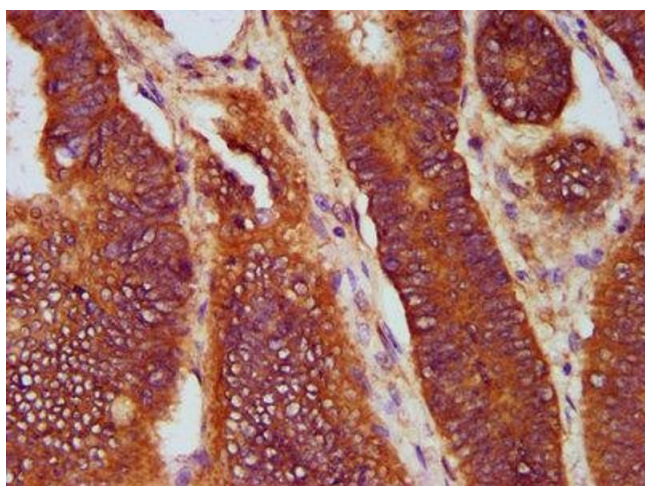
Immunohistochemistry

Image 1. IHC image of ABIN7170318 diluted at 1:400 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat brain tissue All lanes: SOS1 antibody at 4.6 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 153, 37 kDa Observed band size: 153 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7170318 diluted at 1:400 and staining in paraffin-embedded human colon cancer tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7170318.