**Product Name: Sos 2 Rabbit Polyclonal Antibody**
**Catalog #: APRab18119**

## Summary

| | |
|---|---|
| **Production Name** | Sos 2 Rabbit Polyclonal Antibody |
| **Description** | Rabbit Polyclonal Antibody |
| **Host** | Rabbit |
| **Application** | WB,ELISA,IHC-P |
| **Reactivity** | Human,Rat,Mouse |

## Performance

| | |
|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| **Purification** | Affinity purification |

## Immunogen

| | |
|---|---|
| **Gene Name** | SOS2 |
| **Alternative Names** | SOS2; Son of sevenless homolog 2; SOS-2 |
| **Gene ID** | 6655.0 |
| **SwissProt ID** | Q07890.The antiserum was produced against synthesized peptide derived from human SOS2. AA range:631-680 |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500-2000, IHC-P 1:50-300, ELISA 2000-20000 |
| **Molecular Weight** | 150kDa |

## Background

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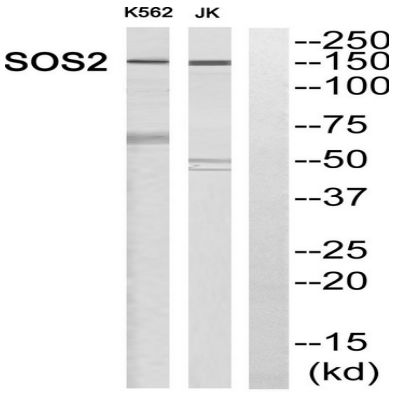
This gene encodes a regulatory protein that is involved in the positive regulation of ras proteins. Mutations in this gene are associated with Noonan Syndrome-9. [provided by RefSeq, Jul 2016],function:Promotes the exchange of Ras-bound GDP by GTP.,online information:Son of sevenless entry,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 N-terminal Ras-GEF domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 Ras-GEF domain.,

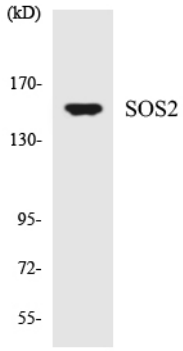
## Research Area

MAPK_ERK_Growth;MAPK_G_Protein;ErbB_HER;Chemokine;Dorso-ventral axis formation;Focal adhesion;Gap junction;Jak_STAT;Natural killer cell mediated cytotoxicity;T_Cell_Receptor;B_Cell_Antigen;Fc epsilon RI;Neurotrophin;Regulates Actin and Cytoskeleton;Insulin_Receptor;GnRH;Pathways in cancer;Colorectal cancer;Renal cell carcinoma;Endometrial cancer;Glioma;Prostate cancer;Chronic myeloid leukemia;Acute myeloid leukemia;Non-small cell lung cancer;

## Image Data




Western blot analysis of SOS2 Antibody. The lane on the right is blocked with the SOS2 peptide.




Western blot analysis of the lysates from HT-29 cells using SOS2 antibody.

## Note

For research use only.