



# Anti-SOS2 (aa 312-420) polyclonal antibody (DPAB-DC2938)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	SOS2 (son of sevenless homolog 2 (Drosophila)) is a protein-coding gene. Diseases associated with SOS2 include noonan syndrome, and chronic myeloid leukemia, and among its related super-pathways are IL-9 Signaling Pathways and Translation Insulin regulation of translation. GO annotations related to this gene include protein heterodimerization activity and guanyl-nucleotide exchange factor activity. An important paralog of this gene is RALGPS2.
<b>Immunogen</b>	SOS2 (NP_008870, 312 a.a. ~ 420 a.a) partial recombinant protein with GST tag. The sequence is LMARPAVALHFQSIADGFKEAVRYVLPRLMLVPVYHCWHYFELLKQLKACSEEQEDRECL NQAITALMNHQGSMMDRIYKQYSPRRRPGDPVPCFYSHQLRSKHLAIKKM
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SOS2 son of sevenless homolog 2 (Drosophila) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SOS2
<b>Synonyms</b>	SOS2; son of sevenless homolog 2 (Drosophila); son of sevenless homolog 2; SOS-2; guanine nucleotide exchange factor; guanine nucleotide releasing factor;
<b>Entrez Gene ID</b>	<a href="#">6655</a>
<b>Protein Refseq</b>	<a href="#">NP_008870</a>
<b>UniProt ID</b>	<a href="#">Q07890</a>
<b>Chromosome Location</b>	14q21
<b>Pathway</b>	Activation of Rac; Acute myeloid leukemia; Alcoholism; B Cell Receptor Signaling Pathway
<b>Function</b>	DNA binding; Rho guanyl-nucleotide exchange factor activity; protein binding; protein heterodimerization activity