



# Anti-ROBO2 polyclonal antibody (DPAB-DC2718)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene belongs to the ROBO family, part of the immunoglobulin superfamily of proteins that are highly conserved from fly to human. The encoded protein is a transmembrane receptor for the slit homolog 2 protein and functions in axon guidance and cell migration. Mutations in this gene are associated with vesicoureteral reflux, characterized by the backward flow of urine from the bladder into the ureters or the kidney. Alternative splicing results in multiple transcript variants.
<b>Immunogen</b>	A synthetic peptide corresponding to human ROBO2. The sequence is C-NQSQRPRPTKKHK
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	100 µg
<b>Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">ROBO2 roundabout, axon guidance receptor, homolog 2 (Drosophila) [ Homo sapiens (human) ]</a>
Official Symbol	ROBO2
Synonyms	ROBO2; roundabout, axon guidance receptor, homolog 2 (Drosophila); SAX3; roundabout homolog 2;
Entrez Gene ID	<a href="#">6092</a>
Protein Refseq	<a href="#">NP_001122401</a>
UniProt ID	<a href="#">Q9HCK4</a>
Chromosome Location	3p12.3
Pathway	Axon guidance; Regulation of Commissural axon pathfinding by Slit and Robo.
Function	axon guidance receptor activity; identical protein binding; protein binding; protein heterodimerization activity