

## ROBO1

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**Reactivity:**Human Mouse

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**181kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic peptide of human ROBO1

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

SAX3; DUTT1

**Catalog #:**A9412

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**6091

**Isotype:**IgG

**Swiss Prot:**Q9Y6N7

**Purity:**Affinity purification

For research use only.

**Background:**

Bilateral symmetric nervous systems have special midline structures that establish a partition between the two mirror image halves. Some axons project toward and across the midline in response to long-range chemoattractants emanating from the midline. The product of this gene is a member of the immunoglobulin gene superfamily and encodes an integral membrane protein that functions in axon guidance and neuronal precursor cell migration. This receptor is activated by SLIT-family proteins, resulting in a repulsive effect on glioma cell guidance in the developing brain. A related gene is located at an adjacent region on chromosome 3. Multiple transcript variants encoding different isoforms have been found for this gene.

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