ARG64072
anti-Robo1 / DUTT1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Robo1 / DUTT1
Tested Reactivity	Ms
Predict Reactivity	Dog, Rat
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Robo1 / DUTT1
Species	Mouse
Immunogen	C-QKARPAKKQKHQ
Conjugation	Un-conjugated
Alternate Names	Deleted in U twenty twenty; H-Robo-1; DUTT1; Roundabout homolog 1; SAX3

Application Instructions

Application table

Application	Dilution
IHC-P	5 µg/ml
WB	0.05 - 0.2 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

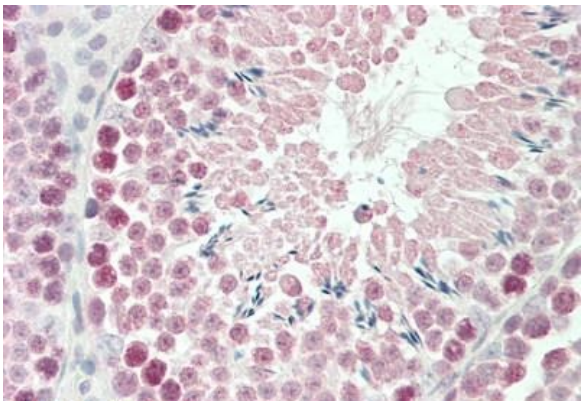
Bioinformation

Database links	GeneID: 19876 Mouse Swiss-port # O89026 Mouse
Gene Symbol	Robo1
Gene Full Name	roundabout homolog 1 (Drosophila)
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. [provided by RefSeq, Mar 2009]
Function	Receptor for SLIT1 and SLIT2 which are thought to act as molecular guidance cue in cellular migration, including axonal navigation at the ventral midline of the neural tube and projection of axons to different regions during neuronal development. In axon growth cones, the silencing of the attractive effect of NTN1 by SLIT2 may require the formation of a ROBO1-DCC complex (By similarity). May be required for lung development. [UniProt]
Research Area	Cancer antibody; Neuroscience antibody
Calculated Mw	181 kDa
PTM	Ubiquitinated. May be deubiquitinated by USP33.

Images

ARG64072 anti-Robo1 / DUTT1 antibody WB image

Western Blot: fetal Mouse Brain lysate (35 µg protein in RIPA buffer) stained with ARG64072 anti-Robo1 / DUTT1 antibody at 0.05 µg/ml dilution.



ARG64072 anti-Robo1 / DUTT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse testis tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64072 anti-Robo1 / DUTT1 antibody at 5 µg/ml dilution followed by AP-staining.