

## Product datasheet for **AP31069PU-N**

### ROBO3 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FC
Recommended Dilution:	<b>Peptide ELISA:</b> Detection Limit: 1/64000. <b>Western Blot:</b> Preliminary experiments gave an approx 25kDa band in Human Brain lysates after 1.0 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 148kDa according to NP_071765.2. The 25kDa band was successfully blocked by incubation with the immunizing peptide. <b>Flow Cytometry</b> on Rheumatoid arthritis synovial fibroblasts (RASf) (See Reference 1 for more details).
Reactivity:	Canine, Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_071765.2.
Specificity:	This antibody detects ROBO3 (internal).
Formulation:	Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. State: Aff - Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	roundabout guidance receptor 3
Database Link:	<a href="#">Entrez Gene 64221 Human</a> <a href="#">Q96MS0</a>



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**Background:**

Roundabout proteins 1-3, known as Robo1-3, are repulsive axon guidance receptors that bind to Slit, a repellent secreted by midline glia during development. Robo3 (also known as Rig1) is important for normal axon navigation at the ventral midline of the neural tube during development and is specifically expressed by commissural axons in rodents. Loss-of-function studies in mice show that Robo3 is required to allow commissural axons to enter the floor plate and cross to the contralateral side of the spinal cord. Some isoforms of Robo3 exist.

**Synonyms:**

ROBO-3, Roundabout homolog 3, Roundabout-like protein 3