

## AP23652PU-N

## Polyclonal Antibody to ROBO1 - Aff - Purified

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| <b>Alternate names:</b>    | DUTT1, Deleted in U Twenty Twenty, ROBO-1, Roundabout homolog 1  |
| <b>Quantity:</b>           | 0.1 mg   |
| <b>Concentration:</b>      | 0.5 mg/ml  |
| <b>Uniprot ID:</b>         | <a href="#">O89026</a>   |
| <b>NCBI:</b>               | <a href="#">NP_062286.2</a>  |
| <b>GeneID:</b>             | <a href="#">19876</a>  |
| <b>Host:</b>               | Goat   |
| <b>Immunogen:</b>          | Peptide with sequence from the internal region of the protein sequence according to NP_062286.2.<br><b>AA Sequence:</b><br>C-QKARPAKKQKHQ  |
| <b>Format:</b>             | <b>State:</b> Liquid purified IgG fraction.<br><b>Purification:</b> Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide.<br><b>Buffer System:</b> Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer. |
| <b>Applications:</b>       | <b>Peptide ELISA:</b> Detection Limit: 1/128000.<br><b>Western Blot:</b> 0.05-0.2 µg/ml. Approx 200kDa band observed in fetal Mouse Brain lysates.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.                             |
| <b>Specificity:</b>        | Recognizes Robo1 / DUTT1   |
| <b>Species Reactivity:</b> | <b>Tested:</b> Mouse.<br><b>Expected from sequence similarity:</b> Canine (Dog), Rat.  |
| <b>Add. Information:</b>   | Calculated Molecular Weight: 176kDa (NP_062286.2).   |
| <b>Storage:</b>            | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.   |
| <b>General Readings:</b>   | 1. Andrews W, Liapi A, Plachez C, Camurri L, Zhang J, Mori S, Murakami F, Parnavelas JG, Sundaresan V, Richards LJ.<br>Robo1 regulates the development of major axon tracts and interneuron migration in the forebrain. Development. 2006 Jun;133(11):2243-52. PMID: 16690755                        |

# Pictures:

AP23652PU-N DUTT1 antibody staining of fetal Mouse Brain lysate at 0.05 µg/ml (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

