

## Datasheet for ABIN7605705 **anti-Neuropilin 1 antibody**

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### Overview

|              |                                                                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                                                                    |
| Target:      | Neuropilin 1 (NRP1)                                                                                                                                       |
| Reactivity:  | Human, Rat, Mouse                                                                                                                                         |
| Host:        | Rabbit                                                                                                                                                    |
| Clonality:   | Monoclonal                                                                                                                                                |
| Conjugate:   | This Neuropilin 1 antibody is un-conjugated                                                                                                               |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS),<br>Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunofluorescence (IF) |

### Product Details

|                  |                                                                                                                                                                           |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Anti-Neuropilin 1 NRP1 Rabbit Monoclonal Antibody                                                                                                                         |
| Immunogen:       | A synthesized peptide derived from human Neuropilin 1                                                                                                                     |
| Clone:           | BGO-14                                                                                                                                                                    |
| Isotype:         | IgG                                                                                                                                                                       |
| Characteristics: | Anti-Neuropilin 1 NRP1 Rabbit Monoclonal Antibody (ABIN7605705). Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |
| Purification:    | Affinity-chromatography                                                                                                                                                   |

### Target Details

|         |                     |
|---------|---------------------|
| Target: | Neuropilin 1 (NRP1) |
|---------|---------------------|

## Target Details

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| Alternative Name: | NRP1 ( <a href="#">NRP1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Background:       | <p>Synonyms: Neuropilin-1,Vascular endothelial cell growth factor 165 receptor,CD304,NRP1,NRP, VEGF165R,</p> <p>Tissue Specificity: The expression of isoforms 1 and 2 does not seem to overlap. Isoform 1 is expressed by the blood vessels of different tissues. In the developing embryo it is found predominantly in the nervous system. In adult tissues, it is highly expressed in heart and placenta, moderately in lung, liver, skeletal muscle, kidney and pancreas, and low in adult brain. Isoform 2 is found in liver hepatocytes, kidney distal and proximal tubules.</p> |
| Molecular Weight: | 38-42 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt:          | <a href="#">O14786</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Pathways:         | <a href="#">Regulation of Cell Size</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a> , <a href="#">VEGFR1 Specific Signals</a>                                                                                                                                                                                                                                                                                                                  |

## Application Details

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|--------------------|------------------------------------------------------------------------------|
| Application Notes: | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50<br>FC 1:50 |
| Restrictions:      | For Research Use only                                                        |

## Handling

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|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                  |
| Reconstitution:    | Restore with deionized water (or equivalent) for reconstitution volume of 1.0 mL                                        |
| Concentration:     | Lot specific                                                                                                            |
| Buffer:            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol, 0.4-0.5 mg/mL BSA. |
| Preservative:      | Sodium azide                                                                                                            |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |
| Storage:           | 4 °C,-20 °C                                                                                                             |

## Handling

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Storage Comment: Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.