

# TYRO3 Rabbit mAb

Catalog # AP78715

## Product Information

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|--------------------------|------------------------------------------------|
| <b>Application</b>       | WB, IHC-P, IF, ICC, IP                         |
| <b>Primary Accession</b> | <a href="#">Q06418</a>                         |
| <b>Reactivity</b>        | Rat, Human, Mouse                              |
| <b>Host</b>              | Rabbit                                         |
| <b>Clonality</b>         | Monoclonal Antibody                            |
| <b>Isotype</b>           | IgG                                            |
| <b>Conjugate</b>         | Unconjugated                                   |
| <b>Immunogen</b>         | A synthesized peptide derived from human TYRO3 |
| <b>Purification</b>      | Affinity Chromatography                        |
| <b>Calculated MW</b>     | 96905                                          |

## Additional Information

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|--------------------|----------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 7301                                                                                               |
| <b>Other Names</b> | TYRO3                                                                                              |
| <b>Dilution</b>    | WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A IP~~N/A                                          |
| <b>Format</b>      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| <b>Storage</b>     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.           |

## Protein Information

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| <b>Name</b>     | TYRO3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b> | BYK, DTK, RSE, SKY, TIF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Function</b> | Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to several ligands including TULP1 or GAS6. Regulates many physiological processes including cell survival, migration and differentiation. Ligand binding at the cell surface induces dimerization and autophosphorylation of TYRO3 on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with PIK3R1 and thereby enhances PI3-kinase activity. Activates the AKT survival pathway, including nuclear translocation of NF-kappa-B and up-regulation of transcription of NF-kappa-B-regulated genes. TYRO3 signaling plays a role in various processes such as neuron protection from excitotoxic injury, platelet aggregation and cytoskeleton reorganization. Also plays an important role in inhibition of Toll-like receptors |

(TLRs)-mediated innate immune response by activating STAT1, which selectively induces production of suppressors of cytokine signaling SOCS1 and SOCS3.

**Cellular Location**

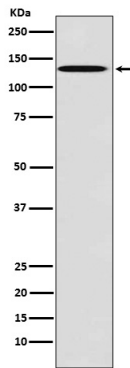
Cell membrane; Single-pass type I membrane protein

**Tissue Location**

Abundant in the brain and lower levels in other tissues

## Images

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.