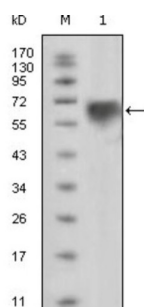


## Tyrosine-Protein Kinase Receptor TYRO3 (TYRO3) Antibody

Catalogue No.: abx015715



Western blot analysis using TYRO3 antibody against extracellular domain of human TYRO3 (aa41-429).

TYRO3: Tyrosine-protein kinase, also known as BYK, Brt, Dtk, Sky. Entrez Protein: NP\_006284. It belongs to the Tyr protein kinase family (AXL/UFO subfamily). The UFO family of receptor tyrosine kinases is comprised of subfamily members Rse (also referred to as Tyro3 or Sky) and UFO (also called Tyro7 or Axl). Two distinct isoforms of Rse, designated Brt and Etk-2, have been described. Brt differs from Rse at its C-terminus, but more importantly lacks the N-terminal 31 amino acid signal peptide sequence present in Rse, which is replaced by a 27 amino acid Brt-specific sequence. It has been suggested that as a result of this alternative splicing event, Brt resides in the cytoplasm, unlike Rse which is expressed on the cell surface. Etk-2 also lacks an N-terminal signal peptide which is substituted with a 45 amino acid Etk-2-specific sequence. Protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation.

|                               |   |
|-------------------------------|---|
| <b>Target:</b>                | Tyrosine-Protein Kinase Receptor TYRO3 (TYRO3)  |
| <b>Clonality:</b>             | Monoclonal  |
| <b>Reactivity:</b>            | Human   |
| <b>Tested Applications:</b>   | ELISA   |
| <b>Host:</b>                  | Mouse   |
| <b>Recommended dilutions:</b> | ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user.                          |
| <b>Conjugation:</b>           | Unconjugated  |
| <b>Immunogen:</b>             | Purified recombinant extracellular fragment of human TYRO3 fused with hlgGfc tag expressed in HEK293 cell line. |
| <b>Isotype:</b>               | IgG <sub>1</sub>  |
| <b>Form:</b>                  | Liquid  |
| <b>Purification:</b>          | Unpurified ascites.   |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.  |

# Datasheet

Version: 3.0.0

Revision date: 19 Mar 2025



**UniProt Primary AC:** Q06418 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** TYRO3

**GeneID:** [7301](#)

**OMIM:** [600341](#)

**HGNC:** 12446

**KEGG:** hsa:7301

**Ensembl:** ENSG00000092445

**String:** [9606.ENSP00000263798](#)

**Molecular Weight:** 96.9 kDa

**Buffer:** Ascitic fluid containing 0.03% sodium azide.

**Concentration:** Not determined.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.