



**Category: Monoclonal Antibodies    Cat. #: MAB-606020333**  
**Product Name: Mouse Monoclonal Antibody to TYRO3**

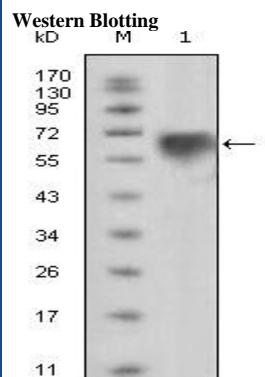


Figure 1: Western blot analysis using TYRO3 mouse mAb against extracellular domain of human TYRO3 (aa41-429).

**Clone#**                    10E11  
**Host and isotype**       Mouse IgG1  
**Species reactivity**     Human  
**Size**                        0.1ml  
**MW**                        96.9kDa

**Aliases**                    BYK; Brt;  
                                  Dtk; RSE; Sky;  
                                  Tif

**Entrez Gene:**            7301

#### Description

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. Ekt-2 also lacks an N-terminal signal peptide which is substituted with a 45 amino acid Ekt-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.

#### Immunogen

Purified recombinant extracellular fragment of human TYRO3 fused with hIgGFc tag expressed in HEK293 cell line.

#### Applications

Western Blotting: 1/500 - 1/2000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

#### Formulation

Ascitic fluid containing 0.03% sodium azide.

#### Storage

Store at 4°C, for long term storage, store at -20°C.

#### Related product

#### References

1. Gene. 1993 Dec 8;134(2):289-93
2. J Biol Chem. 1996 Nov 22;271
3. Blood. 2000 Jan 15;95(2):633-8.

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