

Anti-Tyro3 Antibody

Catalog Number: M00913-1

About Tyro3

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. Plays also 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.

Overview

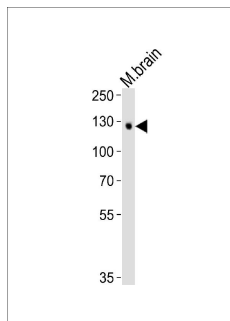
Product Name	Anti-Tyro3 Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Tyro3 Antibody (Catalog # M00913-1). Tested in WB application(s). This antibody reacts with Mouse.
Application	WB
Clonality	Monoclonal 1444CT895.86.31
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P55144

Technical Details

Immunogen	This Tyro3 antibody is generated from a mouse immunized with a recombinant protein.
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

For protocols, please visit <https://www.bosterbio.com/protocol-and-troubleshooting/>

Anti-Tyro3 Antibody (M00913-1) Images



Western blot analysis of lysate from mouse brain tissue lysate, using Tyro3 Antibody. M00913-1 was diluted at 1:2000. A goat anti-mouse IgG H&L (HRP) at 1:3000 dilution was used as the secondary antibody. Lysate at 20ug.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Tyro3 Antibody