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Datasheet for ABIN4914977 anti-TYRO3 antibody

Image



Overview

Quantity:	100 µL
Target:	TYR03
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TYRO3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Tyro3 antibody is generated from a mouse immunized with a recombinant protein.
Clone:	5A3
lsotype:	lgG1
Cross-Reactivity:	Mouse
Purification:	Purified by Protein G.

Target Details

Target:	TYR03
Alternative Name:	Tyro3 (TYRO3 Products)
Background:	Synonyms: Brt, Dtk, Rse, Sky, Tif, Etk-2, TK19-2, tk19-1, Al323366, etk2/tyro3, Tyrosine-protein kinase receptor TYRO3, Tyrosine-protein kinase DTK, Tyrosine-protein kinase RSE, Tyrosine-

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protein kinase TIF, Tyro3

Background: 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.

Gene ID:	22174
UniProt:	P55144
Pathways:	RTK Signaling

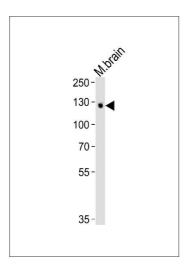
Application Details

Application Notes:	WB 1:300-5000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

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Western Blotting

Image 1. Lane 1: mouse brain lysates, probed with Tyro3 (1444CT895.86.31) Monoclonal Antibody, unconjugated (bsm-51289M) at 1:2000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.

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