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Datasheet for ABIN6257478

anti-TYRO3 antibody (C-Term)

1 Image

Overview

Quantity:	100 µL
Target:	TYRO3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TYRO3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human TYRO3, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	TYRO3 Antibody detects endogenous levels of total TYRO3.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	TYRO3
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Target Details

Alternative Name: TYRO3 ([TYRO3 Products](#))

Background: Description: 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: TYRO3

Molecular Weight: 97 kDa ,

Gene ID: 7301

UniProt: [Q06418](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: WB 1:500-1:2000, ELISA(peptide) 1:20000-1:40000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

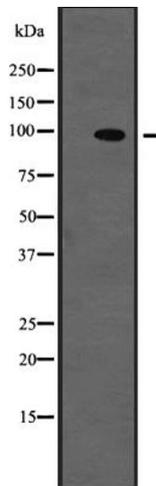
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Expiry Date: 12 months

Images



Western Blotting

Image 1. Western blot analysis of TYRO3 expression in NIH3T3 whole cell lysate ;,The lane on the left is treated with the antigen-specific peptide.