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Anti-TYRO3 Reference Antibody (ELB031)

Recombinant Antibody
Catalog # APR10583

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q06418
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	96905

Additional Information

Target/Specificity	TYRO3
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

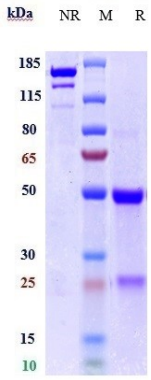
Protein Information

Name	TYRO3
Synonyms	BYK, DTK, RSE, SKY, TIF
Function	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. Also plays 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. Cell membrane; Single-pass type I membrane protein

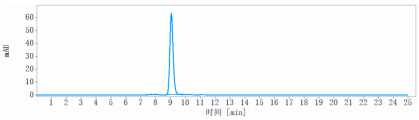
Cellular Location

Tissue Location Abundant in the brain and lower levels in other tissues

Images



Anti-TYRO3 Reference Antibody (ELB031) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 90%.



The purity of Anti-TYRO3 Reference Antibody (ELB031) is more than 95%, determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.