



Rabbit Anti-phospho-TYRO3 (Tyr681) antibody

SL10681R

Product Name:	phospho-TYRO3 (Tyr681)
Chinese Name:	磷酸化受体酪氨酸激酶抗体
Alias:	TYRO3(phospho Tyr681); TYRO3(phospho Y681); Brt; BYK; DTK; RSE; SKY; Tif; TYRO3; TYRO3_HUMAN; Tyrosine-protein kinase DTK; Tyrosine-protein kinase receptor TYRO3; Tyrosine-protein kinase RSE; Tyrosine-protein kinase SKY.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	94kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human TYRO3 around the phosphorylation site of Tyr681:KI(p-Y)SG
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The gene is part of a 3-member transmembrane receptor kinase receptor family with a processed pseudogene distal on chromosome 15. The encoded protein is activated by the products of the growth arrest-specific gene 6 and protein S genes and is involved in

controlling cell survival and proliferation, spermatogenesis, immunoregulation and phagocytosis. The encoded protein has also been identified as a cell entry factor for Ebola and Marburg viruses. [provided by RefSeq, May 2010]

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. 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.

Subunit:

Monomer and homodimer. Interacts (via N-terminus) with extracellular ligands TULP1 and GAS6. Interacts with PIK3R1; this interaction increases PI3-kinase activity.

Subcellular Location:

Cell membrane; Single-pass type I membrane protein.

Tissue Specificity:

Abundant in the brain and lower levels in other tissues.

Post-translational modifications:

Autophosphorylated.

Similarity:

Belongs to the protein kinase superfamily. Tyr protein kinase family. AXL/UFO subfamily.

Contains 2 fibronectin type-III domains.

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 protein kinase domain.

SWISS:

Q06418

Gene ID:

7301

Database links:

[Entrez Gene: 7301](#)Human

[Entrez Gene: 22174](#)Mouse

[Oimim: 600341](#)Human

[SwissProt: Q06418](#)Human

[SwissProt: P55144](#)Mouse

[Unigene: 381282](#)Human

[Unigene: 2901](#)Mouse

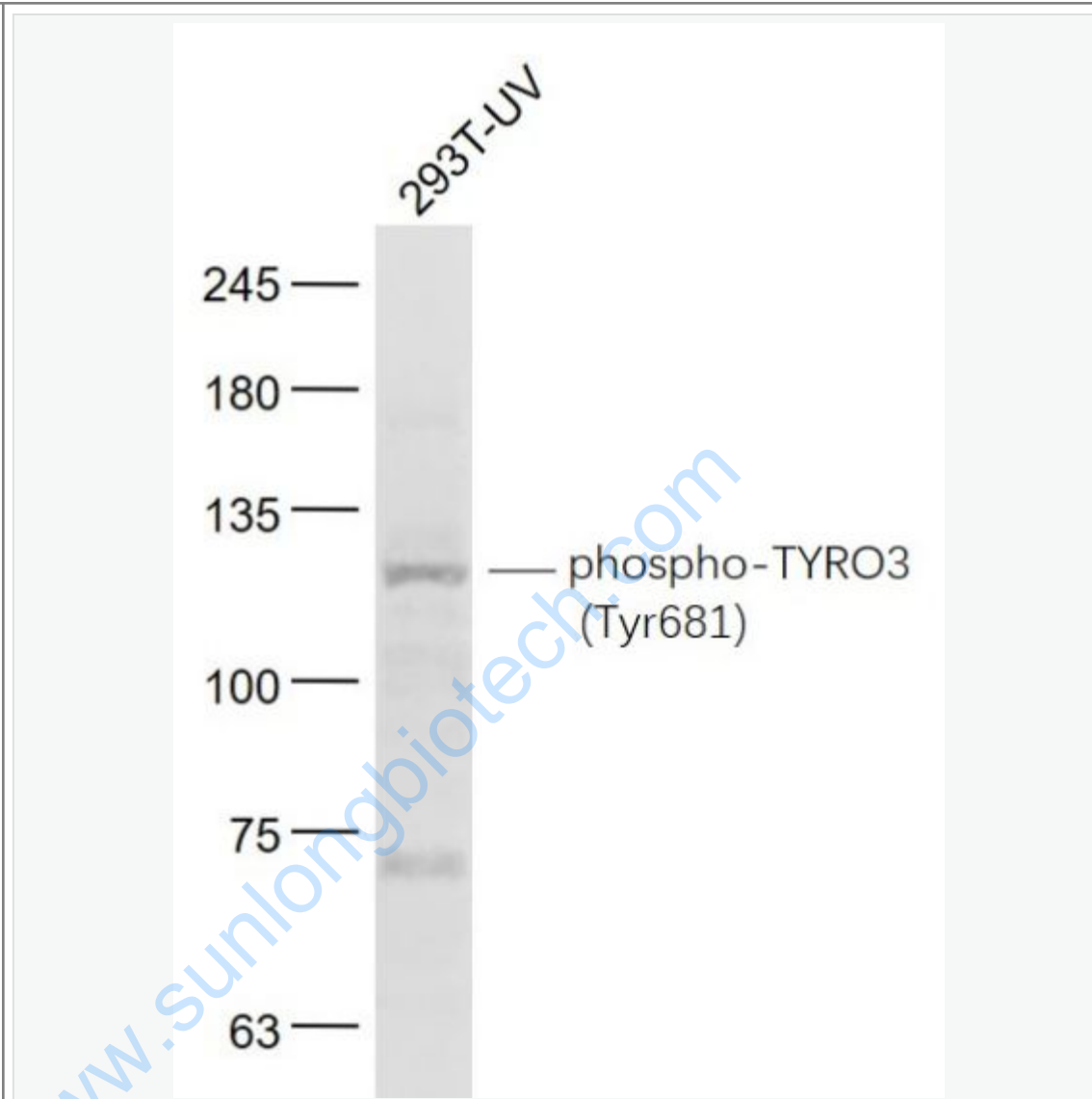
[Unigene: 424496](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



Sample:

293T-UV(Human) Cell Lysate at 30 ug

Primary: Anti-phospho-TYRO3 (Tyr681)bs-10681R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 94 kD

Observed band size: 124 kD