



# Goat anti Human TYRO3 polyclonal antibody [Biotin] (CABT-L170)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Detects human Dtk in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant mouse (rm) Dtk, recombinant human (rh) Axl, and rhMer is observed.
<b>Target</b>	Dtk
<b>Immunogen</b>	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human Dtk, Ala41-Ser428, Accession #Q06418
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	ELISA(Det), WB
<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Format</b>	Lyophilized
<b>Size</b>	50 µg
<b>Buffer</b>	PBS with BSA
<b>Preservative</b>	None

<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Ship</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## BACKGROUND

<b>Introduction</b>	Axl (Ufo, Ark), Dtk (Sky, Tyro3, Rse, Brt) and Mer (human and mouse homologues of chicken c-Eyk) constitute a new receptor tyrosine kinase subfamily. The extracellular domain of these proteins contain two Ig-like motifs and two fibronectin type III motifs. This characteristic topology is also found in neural cell adhesion molecules and in receptor tyrosine phosphatases. All three receptors bind the vitamin K-dependent protein growth-arrest specific gene 6 (Gas6) which is structurally related to the anticoagulation factor protein S. The binding affinities for Gas6 is in the order of Axl; Dtk; Mer. Gas6 binding induces tyrosine phosphorylation and downstream signaling pathways that can lead to cell proliferation, migration, or the prevention of apoptosis. Dtk is widely expressed during embryonic development. In adults, Dtk is predominantly expressed in neurons in restricted regions of the brain.
<b>Keywords</b>	Brt;BYK;Dtk;EC 2.7.10;EC 2.7.10.1;FLJ16467;Rse;Sky;Tif;TYRO3 protein tyrosine kinase;Tyro3;Tyrosine-protein kinase byk;Tyrosine-protein kinase DTK;tyrosine-protein kinase receptor TYRO3;Tyrosine-protein kinase RSE;Tyrosine-protein kinase SKY

## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">7301</a>
<b>UniProt ID</b>	<a href="#">Q06418</a>