



Mouse anti Human TYRO3 monoclonal antibody, clone 07312 (CABT-L169)

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

PRODUCT INFORMATION

Specificity	Detects human Dtk in ELISAs and Western blots. In ELISAs and Western blots, no cross-reactivity or interference with recombinant mouse Dtk, recombinant human (rh) Axl, or rhMer is observed.
Target	Dtk
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human Dtk, Ala41-Ser428 (predicted), Accession #Q06418
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	7312
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA(Cap), IHC, WB
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized; Small package size(SP): Liquid
Size	100 µg, 500 µg
Buffer	PBS with Trehalose

Preservative	None
Storage	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.
Ship	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C.

BACKGROUND

Introduction	Dtk (also called Sky, Tyro3, Rse, Brt), Axl (Ufo, Ark) and Mer (human and mouse homologues of chicken c-Eyk) constitute a 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.
Keywords	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

Entrez Gene ID	7301
UniProt ID	Q06418