



Rat anti Mouse TYRO3 monoclonal antibody, clone 210757 (CABT-L285)

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

PRODUCT INFORMATION

Specificity	Detects mouse Dtk extracellular domain in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Dtk, recombinant mouse (rm) Mer, or rmAxl is observed.
Target	Dtk
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Dtk, Ala31-Ser418, Accession #P55144
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Mouse
Clone	210757
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA(Cap), FC, IHC, WB
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized; Small package size(SP): Liquid
Size	25 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	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.
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	22174
UniProt ID	P55144