



# 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

|                           |  |
|---------------------------|--|
| <b>Specificity</b>        | 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. |
| <b>Target</b>             | Dtk  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse Dtk, Ala31-Ser418, Accession #P55144   |
| <b>Isotype</b>            | IgG1   |
| <b>Source/Host</b>        | Rat  |
| <b>Species Reactivity</b> | Mouse  |
| <b>Clone</b>              | 210757   |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant   |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | ELISA(Cap), FC, IHC, WB  |
| <b>Reconstitution</b>     | Reconstitute at 0.5 mg/mL in sterile PBS.  |
| <b>Format</b>             | Lyophilized; Small package size(SP): Liquid  |
| <b>Size</b>               | 25 µg, 500 µg  |
| <b>Buffer</b>             | PBS with Trehalose   |

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|---------------------|---|
| <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. *Small pack size (SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C.   |

## BACKGROUND

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|---------------------|--|
| <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="#">22174</a>  |
| <b>UniProt ID</b>     | <a href="#">P55144</a> |