

For Research Use Only

PTK7 Recombinant antibody

Catalog Number:85075-1-RR



Basic Information

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|--|---|---|
| Catalog Number: 85075-1-RR | GenBank Accession Number: BC071557 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 5754 | CloneNo.: 242720A5 |
| Source: Rabbit | UNIPROT ID: Q13308 | Recommended Dilutions: WB 1:2000-1:10000 |
| Isotype: IgG | Full Name: PTK7 protein tyrosine kinase 7 | |
| Immunogen Catalog Number: AG12026 | Calculated MW: 1070 aa, 118 kDa | |
| | Observed MW: 140 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : Jurkat cells, C2C12 cells, PC-12 cells |
| Species Specificity: human, mouse, rat | |

Background Information

Protein tyrosine kinase 7 (PTK7), also known as colon carcinoma kinase 4 (CCK4), is an atypical receptor tyrosine kinase that consists of an extracellular domain with seven immunoglobulin-like domains, a transmembrane domain, and a catalytically defective tyrosine kinase domain (PMID: 29867084). It is implicated in planar cell polarity and the Wnt canonical and non-canonical pathways (PMID: 24618420). Overexpression of PTK7 has been reported in a variety of tumors, such as cervical cancer, colon cancer, lung adenocarcinoma, acute myelogenous leukemia, and gastric cancer (PMID: 30944666).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

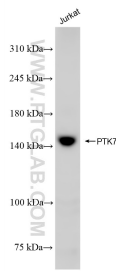
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

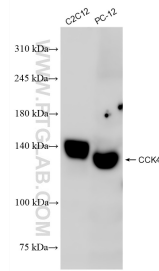
E: proteintech@ptglab.com
W: ptglab.com

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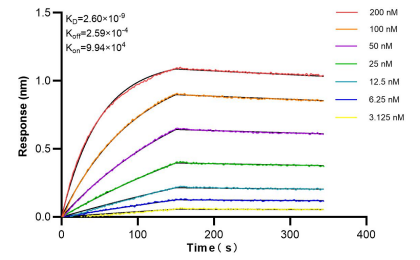
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85075-1-RR (PTK7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 85075-1-RR against Human PTK7 were performed. The affinity constant is 2.60 nM.