

Anti-LTK Rabbit Monoclonal Antibody
Catalog # ABO16367**Specification**

Anti-LTK Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	P29376
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-LTK Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

Anti-LTK Rabbit Monoclonal Antibody - Additional Information

Gene ID 4058

Other Names

Leukocyte tyrosine kinase receptor, 2.7.10.1 {ECO:0000255|PROSITE-ProRule:PRU10028, ECO:0000269|PubMed:10445845, ECO:0000269|PubMed:30061385}, Protein tyrosine kinase 1, LTK {ECO:0000303|PubMed:1655406, ECO:0000312|HGNC:HGNC:6721}

Calculated MW

80 kDa KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human LTK

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-LTK Rabbit Monoclonal Antibody - Protein Information

Name LTK {ECO:0000303|PubMed:1655406, ECO:0000312|HGNC:HGNC:6721}

Function

Receptor with a tyrosine-protein kinase activity (PubMed:10445845, PubMed:20548102, PubMed:30061385). Following activation by ALKAL1 or ALKAL2 ligands at the cell surface, transduces an extracellular signal into an intracellular response (PubMed:30061385, PubMed:34646012). Ligand-binding to the extracellular domain induces tyrosine kinase activation, leading to activation of the mitogen-activated protein kinase (MAPK) pathway (PubMed:20548102). Phosphorylates almost exclusively at the first tyrosine of the Y-x-x-x- Y-Y motif (By similarity). The exact function of this protein is not known; studies with chimeric proteins demonstrate its ability to promote growth and specifically neurite outgrowth, and cell survival (PubMed:18849880, PubMed:9223670). Involved in regulation of the secretory pathway involving endoplasmic reticulum (ER) export sites (ERESs) and ER to Golgi transport (PubMed:20548102).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

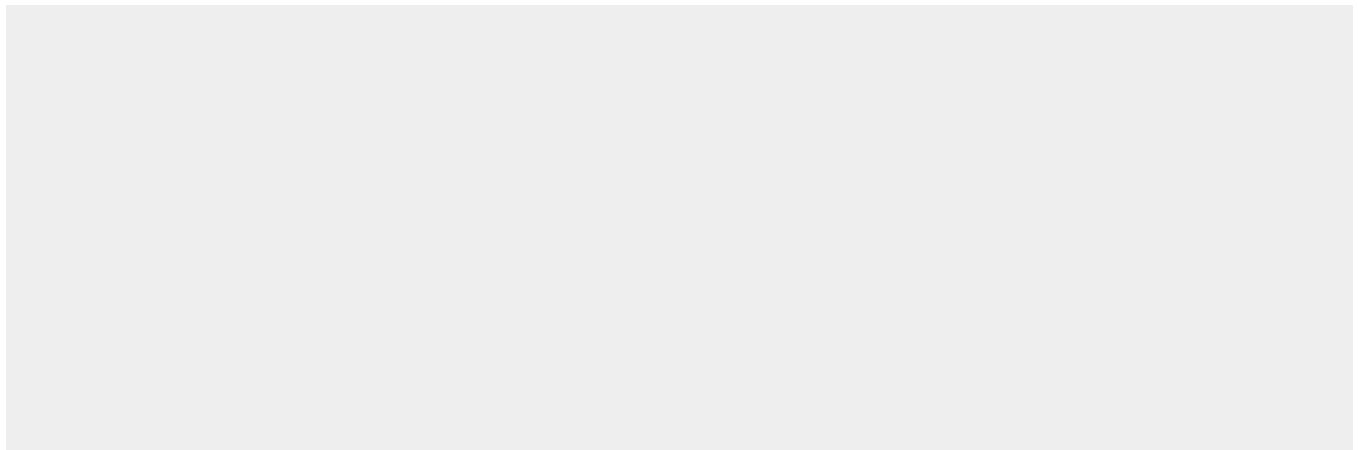
Expressed in non-hematopoietic cell lines and T- and B-cell lines.

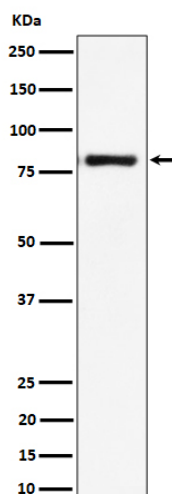
Anti-LTK Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-LTK Rabbit Monoclonal Antibody - Images





Western blot analysis of LTK expression in Raji cell lysate.