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Anti-LTK Rabbit Monoclonal Antibody

Catalog # ABO16367

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.

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	91681
Application Details	WB 1:500-1:2000 IHC 1:50-1:200
Source	Eukaryota
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.
Clone Names	Clone: 29L03
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.

Protein Information

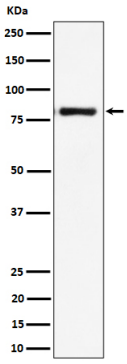
Name	LTK {ECO:0000303|PubMed:1655406, ECO:0000312|HGNC:HGNC:6721}
Function	Receptor with a tyrosine-protein kinase activity (PubMed: 10445845,

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.

Images



Western blot analysis of LTK expression in Raji cell lysate.

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