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Anti-LTK Antibody (aa206-255)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17944

Product Information

Application	WB, IHC-P, E
Primary Accession	P29376
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	91681

Additional Information

Gene ID	4058
Alias Symbol	LTK
Other Names	LTK, Leukocyte tyrosine kinase, Protein tyrosine kinase 1, TYK1
Target/Specificity	LTK Antibody detects endogenous levels of total LTK protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-LTK Antibody (aa206-255) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.