

**LTK Antibody**  
**Rabbit mAb**  
**Catalog # AP92907****Specification**

---

**LTK Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P29376</a>
Clonality	Monoclonal
<b>Other Names</b>	
Ltk; TYK1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	91681 Da

**LTK Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human LTK
Description	Orphan receptor with a tyrosine-protein kinase activity. The exact function of this protein is not known. Studies with chimeric proteins (replacing its extracellular region with that of several known growth factor receptors, such as EGFR and CSFIR) demonstrate its ability to promote growth and specifically neurite outgrowth, and cell survival.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**LTK Antibody - Protein Information**

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

**Function**

Receptor with a tyrosine-protein kinase activity (PubMed:<a href="http://www.uniprot.org/citations/10445845" target="\_blank">10445845</a>, PubMed:<a href="http://www.uniprot.org/citations/20548102" target="\_blank">20548102</a>, PubMed:<a href="http://www.uniprot.org/citations/30061385" target="\_blank">30061385</a>). Following activation by ALKAL1 or ALKAL2 ligands at the cell surface, transduces an extracellular signal into an intracellular response (PubMed:<a href="http://www.uniprot.org/citations/30061385"

target="\_blank">30061385</a>, PubMed:<a href="http://www.uniprot.org/citations/34646012" target="\_blank">34646012</a>). Ligand-binding to the extracellular domain induces tyrosine kinase activation, leading to activation of the mitogen-activated protein kinase (MAPK) pathway (PubMed:<a href="http://www.uniprot.org/citations/20548102" target="\_blank">20548102</a>). 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:<a href="http://www.uniprot.org/citations/18849880" target="\_blank">18849880</a>, PubMed:<a href="http://www.uniprot.org/citations/9223670" target="\_blank">9223670</a>). Involved in regulation of the secretory pathway involving endoplasmic reticulum (ER) export sites (ERESs) and ER to Golgi transport (PubMed:<a href="http://www.uniprot.org/citations/20548102" target="\_blank">20548102</a>).

#### Cellular Location

Cell membrane; Single-pass type I membrane protein

#### Tissue Location

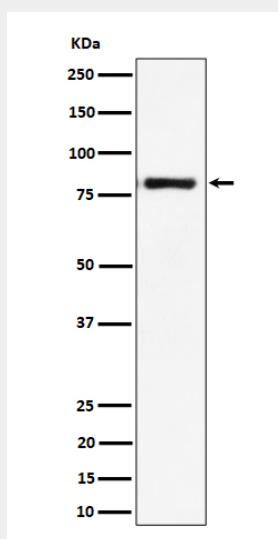
Expressed in non-hematopoietic cell lines and T- and B-cell lines.

#### LTK 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](#)

#### LTK Antibody - Images



Western blot analysis of LTK expression in Raji cell lysate.