

## Product datasheet for **AP20697PU-M**

### LCK Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | IF, WB  |
| Recommended Dilution:   | <b>Western blot:</b> 1/500-1/1000.<br><b>Immunofluorescence:</b> 1/50-1/200.  |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Rabbit  |
| Clonality:              | Polyclonal  |
| Specificity:            | This antibody detects endogenous levels of Lck protein.<br>(region surrounding Leu387)  |
| Formulation:            | Phosphate buffered saline (PBS), pH 7.2<br>State: Aff - Purified<br>State: Liquid purified Ig fraction<br>Preservative: 15 mM sodium azide                                  |
| Concentration:          | 1.0 mg/ml   |
| Purification:           | Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.  |
| Stability:              | Shelf life: one year from despatch.   |
| Predicted Protein Size: | ~ 56 kDa  |
| Gene Name:              | LCK proto-oncogene, Src family tyrosine kinase  |
| Database Link:          | <u><a href="#">Entrez Gene 16818 Mouse</a></u> <u><a href="#">Entrez Gene 313050 Rat</a></u> <u><a href="#">Entrez Gene 3932 Human</a></u><br><u><a href="#">P06239</a></u> |



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**Background:**

Src is the human homolog of the v-Src gene of the Rous sarcoma virus, also called avian sarcoma virus or ASV. Src was the first proto-oncogenic non-receptor tyrosine kinase characterized in human. By virtue of common structural motifs, the Src family is composed of nine members in vertebrates, including Src, Yes, Fgr, Frk, Fyn, Lyn, Hck, Lck and Blk. Src-family kinases transduce signals that are involved in the control of a variety of cellular processes, including proliferation, differentiation, motility, and adhesion.

Src-family kinases contain an amino terminal cell membrane anchor followed by an SH3 domain and an SH2 domain that are involved in modular association and activation, respectively. Src-family kinases are normally maintained in an inactive state and can be activated transiently during cellular events such as mitosis. Different subcellular localizations of Src-family kinases may be important for the regulation of specific cellular processes, such as mitogenesis, cytoskeletal organization and membrane trafficking. The Fyn and Lck Src family tyrosine kinases play a key role in T cell antigen receptor (TCR) signaling. The human Lck gene maps to chromosome 1p34.3 and encodes a 509 amino acid protein.

**Synonyms:**

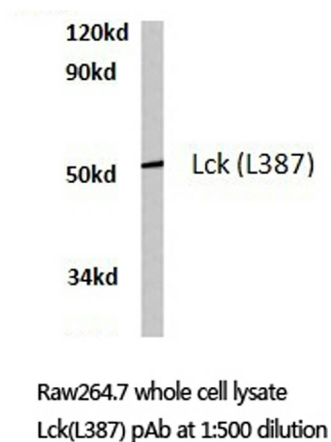
p56-LCK, LSK

**Protein Families:**

Druggable Genome, Protein Kinase, Stem cell - Pluripotency

**Protein Pathways:**

Natural killer cell mediated cytotoxicity, Primary immunodeficiency, T cell receptor signaling pathway

**Product images:**


Western blot (WB) analyzes of Lck antibody (Cat.-No.: aP20697PU-N) in extracts from RAW264.7 cells.