

## LCP1

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50

**Calculated MW:**70kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human LCP1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

LPL; CP64; PLS2; LC64P; L-PLASTIN;

**Catalog #:**A5561

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**3936

**Isotype:**IgG

**Swiss Prot:**P13796

**Purity:**Affinity purification

For research use only.

**Background:**

Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. Plastin 1 (otherwise known as Fimbrin) is a third distinct plastin isoform which is specifically expressed at high levels in the small intestine. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). However, L-plastin has been found in many types of malignant human cells of non-hemopoietic origin suggesting that its expression is induced accompanying tumorigenesis in solid tissues.

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