

## LRAT

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**Reactivity:**Human Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:100

**Calculated MW:**25kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human LRAT

**Storage Buffer:**

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

**Synonym:**

LCA14;

**Catalog #:**A6647

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**9227

**Isotype:**IgG

**Swiss Prot:**O95237

**Purity:**Affinity purification

For research use only.

**Background:**

The protein encoded by this gene localizes to the endoplasmic reticulum, where it catalyzes the esterification of all-trans-retinol into all-trans-retinyl ester. This reaction is an important step in vitamin A metabolism in the visual system. Mutations in this gene have been associated with early-onset severe retinal dystrophy and Leber congenital amaurosis 14. Alternative splicing results in multiple transcript variants.

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