

**LRAT (Lecithin Retinol Acyltransferase) (168) Anti-Mouse Rabbit IgG Affinity Purify**

**Polyclonal Antibody**

**Cat.NO.: PA01289**

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3th Edition

**Description:**LRAT is a retinol-esterifying enzyme and it is mainly found in G0 stage of stellate cells (Ito cells) in liver. At stellate cells, LRAT is thought to take a role engulfing and pooling excess vitamin A released from hepatocytes (ref. 1, 3, 5). As normal hepatocytes are characterized by lipid droplets pooling esterified vitamin A, LRAT is expected to be a marker of stellate cells in G0 stage (ref. 1, 5). LRAT is also expressed in retinal pigment epithelium, small intestine epithelium and skin keratinocyte as well as liver (ref. 3, 4). The physiological significance of LRAT protein at the endothelium is not clarified, yet. This antibody reacts with stellate cells and endothelia of mouse and rat.

**Antigen:**Synthetic peptide of a part of Mouse LRAT (168-184) (RYGSRISPQAEKFYDT)

**Form:**Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN<sub>3</sub>

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**Cross-reacts with rat.