LRAT polyclonal antibody

Catalog: BS5783 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Lecithin retinol acyltransferase (LRAT) is a membrane bound enzyme that catalyzes the transfer of an acyl group from the sn-1 position of lecithin to vitamin A which generates all-trans-retinyl esters (tREs) in the liver, some extrahepatic tissues, such as the lung, and retinal pigmented epithelium. LRAT can also exchange palmitoyl groups between RPE65, a tRE binding protein essential for vision, and tREs, which is important for the operation of the visual pathway. LRAT is essential for the dietary mobilization, transport, and storage of vitamin A as well as the synthesis of the visual pigment chromophore. LRAT monomers interact in membranes to form homodimers through disulfide bond formation. A loss of LRAT correlates with an early onset severe retinal dystrophy and severe retinyl ester deprivation, while a reduction in LRAT expression may be associated with invasive bladder cancer.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 25 kDa (Monomer), 50 kDa (Dimer)

Swiss-Prot:

O95237

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IF: 1:50~1:200

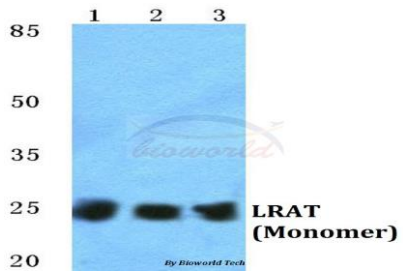
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

LRAT polyclonal antibody detects endogenous levels of LRAT protein.

DATA:



Western blot (WB) analysis of LRAT polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:sp2/0 cell lysate

Lane3:H9C2 cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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