

## Rabbit LCAT Polyclonal Antibody | anti-LCAT antibody

LCAT Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY         | APPLICATIONS                                                                 |
|-----------|--------|--------------------|------------------------------------------------------------------------------|
| AAA28821  | Rabbit | Rat, Pig, Dog, Cow | Western Blot, Immunohistochemistry, Immunohistochemistry, Immunofluorescence |

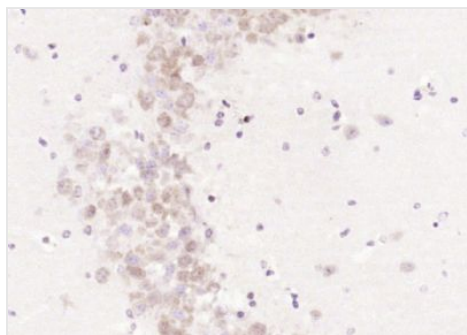
### PRODUCT SYNONYMS

LCAT; Polyclonal Antibody; LCAT Polyclonal Antibody; Phosphatidylcholine-sterol acyltransferase; 2.3.1.43; 1-alkyl-2-acetylglycerophosphocholine esterase; 3.1.1.47; Lecithin-cholesterol acyltransferase; Phospholipid-cholesterol acyltransferase; Platelet-activating factor acetylhydrolase; PAF acetylhydrolase; anti-LCAT antibody

### PRODUCT SPECIFICATIONS

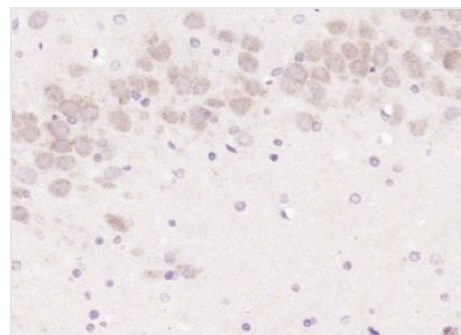
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Rat, Pig, Dog, Cow                                                                                                                                    |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                             |
| Applicable Applications for anti-LCAT antibody | WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence)                                                    |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



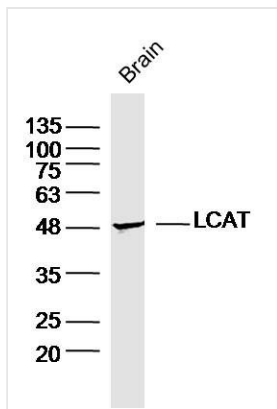
#### IHC (Immunohistochemistry-Paraffin)

Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 degree C for 30min; Antibody incubation with (LCAT) Polyclonal Antibody, Unconjugated (bs-1972R) at 1:200 overnight at 4 degree C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



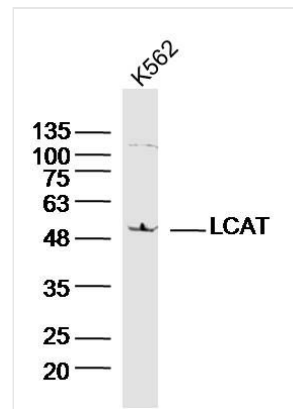
#### IHC (Immunohistochemistry)

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 degree C for 30min; Antibody incubation with (LCAT) Polyclonal Antibody, Unconjugated (bs-1972R) at 1:200 overnight at 4 degree C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



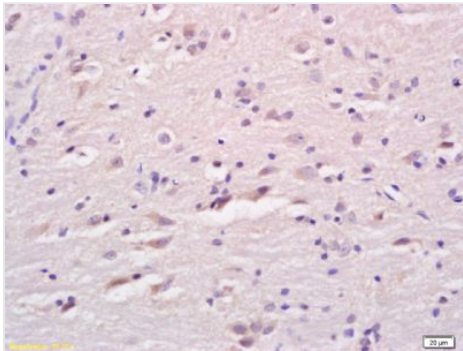
#### WB (Western Blot)

Sample: brain (mouse) Lysate at 40 ug Primary: Anti- LCAT(bs-1972R)at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47kD  
Observed band size: 48kD



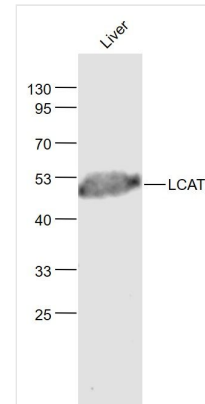
#### WB (Western Blot)

Dilution: Sample: K562 (human)Cell Lysate at 40 ug Primary: Anti- LCAT(bs-1972R)at 1/300  
dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band  
size: 47kD Observed band size: 47/52 kD



#### IHC (Immunohistochemistry-Paraffin)

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37 degree C for 20 min; Incubation: Anti-LCAT Polyclonal Antibody, Unconjugated(bs-1972R) 1:200, overnight at 4 degree C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



#### WB (Western Blot)

Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti- LCAT (bs-1972R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kD  
Observed band size: 49kD

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| NCBI GI #                        | 241429                                                                               |
| NCBI GeneID                      | 3931                                                                                 |
| UniProt Accession #              | P04180; Q53XQ3                                                                       |
| Molecular Weight                 | 49,578 Da                                                                            |
| NCBI Official Full Name          | lecithin:cholesterol acyltransferase                                                 |
| NCBI Official Synonym Full Names | lecithin-cholesterol acyltransferase                                                 |
| NCBI Official Symbol             | LCAT                                                                                 |
| NCBI Protein Information         | phosphatidylcholine-sterol acyltransferase; phospholipid-cholesterol acyltransferase |
| UniProt Protein Name             | Phosphatidylcholine-sterol acyltransferase                                           |
| UniProt Gene Name                | LCAT                                                                                 |
| UniProt Entry Name               | LCAT_HUMAN                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

