

## Rabbit Lipe Polyclonal Antibody | anti-LIPE antibody

Lipe Antibody

|                              |                       |                                        |                                                                                      |
|------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA39829</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot, ELISA</b> |
|------------------------------|-----------------------|----------------------------------------|--------------------------------------------------------------------------------------|

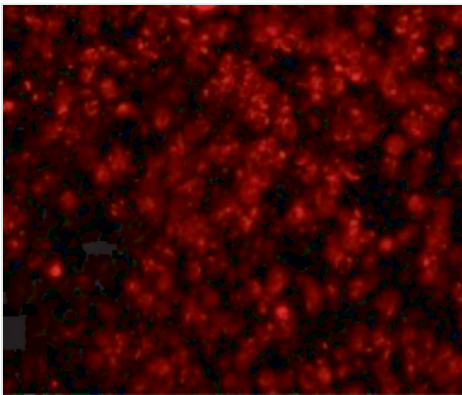
### PRODUCT SYNONYMS

Lipe; Polyclonal Antibody; Lipe Antibody; HSL; LHS; Hormone-sensitive lipase; lipase; hormone-sensitive; anti-LIPE antibody

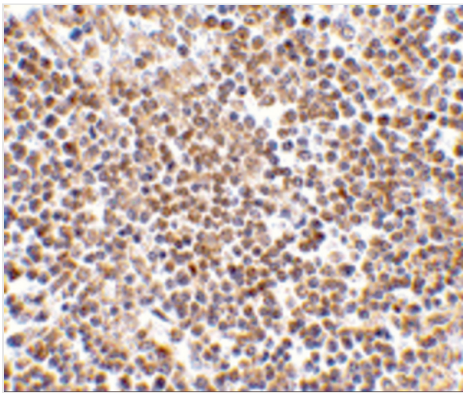
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                            |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                     |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                 |
| Isotype                                        | IgG                                                                                                                                                                                                                                                        |
| Specificity                                    | Multiple isoforms of Lipe are known to exist.                                                                                                                                                                                                              |
| Purity/Purification                            | Lipe Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                     |
| Concentration                                  | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                    |
| Sequence Length                                | 3255                                                                                                                                                                                                                                                       |
| Applicable Applications for anti-LIPE antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                              |
| Conjugate                                      | Unconjugated                                                                                                                                                                                                                                               |
| Immunogen                                      | Lipe antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human Lipe.                                                                                                                                           |
| Buffer                                         | Lipe Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                        | Lipe antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

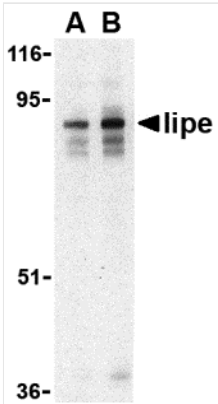
IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence of Lipe in Human Lymph Node cells with Lipe antibody at 20  $\mu$ g/mL.



**IHC (Immunohistochemistry)**  
Immunohistochemistry of lipe in human lymph node tissue with lipe antibody at 2.5  $\mu$ g/mL.



**WB (Western Blot)**  
Western blot analysis of Lipe in human lymph node tissue lysate with Lipe antibody at (A) 0.5 and (B) 1  $\mu$ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-LIPE antibody

**Lipe Antibody:** Although initially described as an adipocyte-specific triacylglycerol lipase, Lipe (also known as hormone-sensitive lipase or HSL) is expressed in multiple tissues and cell lines. It plays multiple roles in lipid metabolism, including hormone-stimulated lipolysis in adipose tissue and the hydrolysis of cholesterol esters. Lipe is expressed as a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic tissues such as testis, where it converts cholesterol esters to free cholesterol for steroid hormone production. The short form is expressed in adipose tissue, among others, where it hydrolyzes stored triglycerides to free fatty acids. Recently, it was observed that the lack of Lipe in genetically obese leptin-null mice inhibited obesity and adipogenesis, suggesting that Lipe plays a major role in adipocyte proliferation.

NCBI AND UNIPROT INFORMATION

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| NCBI GI #                        | 896474                                                   |
| NCBI GeneID                      | 3991                                                     |
| UniProt Accession #              | Q05469; Q3LRT2; Q6NSL7                                   |
| Molecular Weight                 | Predicted: 85; 90; 110; 118 kDa<br>Observed: 90 kDa      |
| NCBI Official Full Name          | Human hormone-sensitive lipase (LIPE) gene, complete cds |
| NCBI Official Synonym Full Names | lipase, hormone-sensitive                                |

|                               |                                                                       |
|-------------------------------|-----------------------------------------------------------------------|
| NCBI Official Symbol          | LIPE                                                                  |
| NCBI Official Synonym Symbols | HSL; LHS; AOMS4                                                       |
| NCBI Protein Information      | hormone-sensitive lipase; hormone-sensitive lipase testicular isoform |
| UniProt Protein Name          | Hormone-sensitive lipase                                              |
| UniProt Gene Name             | <b>LIPE</b>                                                           |
| UniProt Synonym Gene Names    | HSL                                                                   |
| UniProt Entry Name            | LIPS_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lipe-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39829>