

# Product Datasheet

## Endothelial Lipase Antibody - BSA Free NB400-118

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NB400-118**

Endothelial Lipase Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	9388
<b>Gene Symbol</b>	LIPG
<b>Species</b>	Human, Mouse (Negative)
<b>Reactivity Notes</b>	Does not appear to recognize mouse.
<b>Immunogen</b>	An N-terminal synthetic peptide made to human Endothelial Lipase [UniProt# Q9Y5X9]

**Product Application Details**

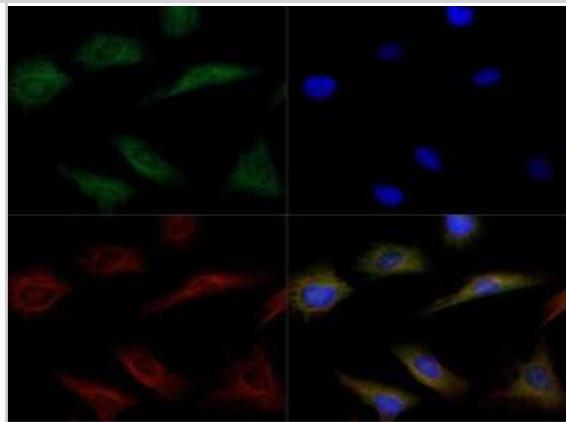
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA 1:100-1:2000. Use reported in scientific literature (PMID 22383927), Immunocytochemistry/ Immunofluorescence 1:100
<b>Application Notes</b>	In Western blot this antibody recognizes a band at ~57 kDa, representing the mature, non-glycosylated form of endothelial lipase protein. Another band is seen at ~ 45 kDa, representing the proteolytic form of the protein. In ICC/IF, cytoplasmic staining was observed in HeLa cells.

## Images

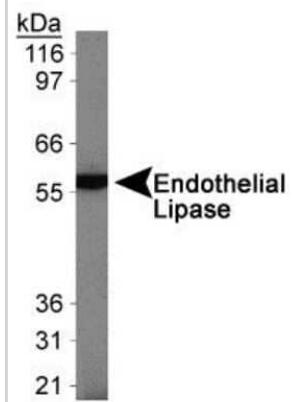
Western Blot: Endothelial Lipase Antibody [NB400-118] - Human endothelial lipase detected in transfected 293 lysates using NB 400-118. (MW 57 kD)



Immunocytochemistry/Immunofluorescence: Endothelial Lipase Antibody [NB400-118] - Antibody was tested in HeLa cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



Western Blot: Endothelial Lipase Antibody [NB400-118] - Analysis of Endothelial Lipase in ECV304 cells.



## Publications

Edmondson AC, Brown RJ, Kathiresan S et al. Loss-of-function variants in endothelial lipase are a cause of elevated HDL cholesterol in humans. *J Clin Invest* 2009-04-01 [PMID: 19287092]

Riederer M, Trbusi M, Degoricija V, Frank S. Endothelial Lipase Plasma Levels are Increased in Patients With Significant Carotid Artery Stenosis and History of Neurological Impairment *J Clin Med Res* 2012-01-15 [PMID: 22383927] (ELISA, Human)

## Procedures

### Serum protocol for Endothelial Lipase Antibody (NB400-118)

Endothelial Lipase Antibody:

Western Blot Procedure

1. Heat diluted samples at 70 degrees Celcius for 10 minutes.
2. Load samples onto a 10% Bis-Tris gel.
3. Run gel for ~45 minutes at 200V.
4. Transfer gel to PVDF membrane at 45V for ~90 minutes.
5. Block the membrane overnight at 4 degrees Celcius, in blocking buffer [PBS + 0.2% Tween-20 + 5% milk], gently shaking.
6. Rinse the membrane twice, quickly, in PBS-T.
7. Wash the membrane in PBS-T 3 times for 5 minutes, each.
8. Incubate the membrane with primary antibody [NB 400-111 or NB 400-118] , diluted 1:500 in blocking buffer, for 1 hour at RT, gently shaking.
9. Rinse the membrane twice, quickly, in PBS-T.
10. Wash the membrane in PBS-T 3 times for 5 minutes, each.
11. Incubate the membrane with secondary antibody [NB 730-H], diluted 1:5,000 in blocking buffer, for 1 hour at RT, gently shaking.
12. Rinse the membrane twice, quickly, in PBS-T.
13. Wash the membrane in PBS-T 3 times for 5 minutes, each.
14. Detect protein using ECL, ~1 minute exposure.



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## Products Related to NB400-118

NBL1-12550	Endothelial Lipase Overexpression Lysate
NB400-118PEP	Endothelial Lipase Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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