Product Datasheet

Endothelial Lipase Antibody - BSA Free
NB400-111

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 6

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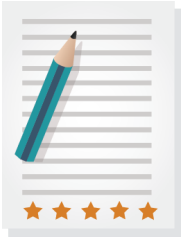
Updated 2/21/2025 v.20.1



NB400-111

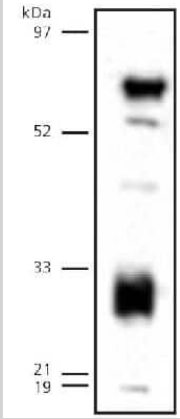
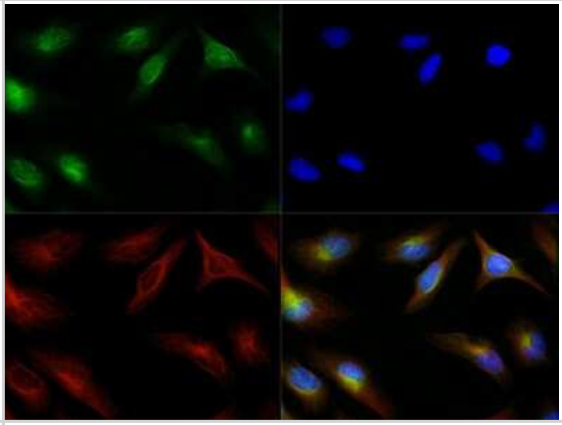
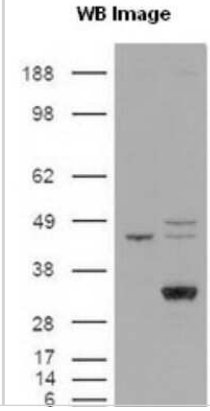
Endothelial Lipase Antibody - BSA Free

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

Product Description	
Host	Rabbit
Gene ID	9388
Gene Symbol	LIPG
Species	Human, Mouse (Negative)
Reactivity Notes	Predicted to react with monkey based on 100% sequence homology. Does not appear to recognize mouse.
Immunogen	A C-terminal synthetic peptide made to human Endothelial Lipase [UniProt# Q9Y5X9]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Frozen reported in scientific literature (PMID 24244566)
Application Notes	In Western blot a band is observed at ~57 kDa, representing the mature, non-glycosylated form of endothelial lipase protein. Another band is observed at ~30 kDa, representing the proteolytic form of the protein. In ICC/IF cytoplasmic staining was observed in HeLa cells.

Images

Western Blot: Endothelial Lipase Antibody [NB400-111] - Human endothelial lipase detected in transfected 293 lysates (MW 57 kDa)	
Immunocytochemistry/Immunofluorescence: Endothelial Lipase Antibody [NB400-111] - 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 [NB400-111] - Cells were transfected with the pCMV6-ENTRY control or pCMV6-ENTRY LIPG cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LIPG.	

Publications

Yang Y, Kuwano T, Lagor WR et al. Lipidomic analyses of female mice lacking hepatic lipase and endothelial lipase indicate selective modulation of plasma lipid species. Lipids. 2014-06-01 [PMID: 24777581] (WB, Human)

Robert J, Weber B, Frese L et al. A Three-Dimensional Engineered Artery Model for In Vitro Atherosclerosis Research. PLoS One. 2013-11-14 [PMID: 24244566] (IHC-Fr, ICC/IF, Human)

Essaji Y, Yang Y, Albert CJ et al. Hydrolysis Products Generated by Lipoprotein Lipase and Endothelial Lipase Differentially Impact THP-1 Macrophage Cell Signalling Pathways. Lipids 2013-06-22 [PMID: 23794138] (WB, Human)

Razzaghi H, Tempczyk-Russell A, Haubold K et al. Genetic and Structure-Function Studies of Missense Mutations in Human Endothelial Lipase PLoS One 2013-01-01 [PMID: 23536757] (WB, Human)

Wiersma H, Gatti A, Nijstad N et al. Hepatic SR-BI, not endothelial lipase, expression determines biliary cholesterol secretion in mice. J Lipid Res;50(8):1571-1580. 2009-01-01 [PMID: 19252221]

Nijstad N, Wiersma H, Gautier T et al. Scavenger Receptor BI-mediated Selective Uptake Is Required for the Remodeling of High Density Lipoprotein by Endothelial Lipase. J Biol Chem;284(10):6093-6100. 2009-01-01 [PMID: 19136670] (WB, Human)

Procedures

Western Blot protocol for Endothelial Lipase Antibody (NB400-111)
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 NB400-111

NBL1-12550	Endothelial Lipase Overexpression Lysate
NB400-111PEP	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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