

Product Datasheet

BCKDHA Antibody - BSA Free NBP1-79616

Unit Size: 100 ul

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

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Updated 2/21/2025 v.20.1

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NBP1-79616

BCKDHA Antibody - BSA Free

| Product Information | |
|---------------------|----------------------------------------------------------------------------------------|
| Unit Size | 100 ul |
| Concentration | 0.5 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG |
| Purity | Affinity purified |
| Buffer | PBS, 2% Sucrose |

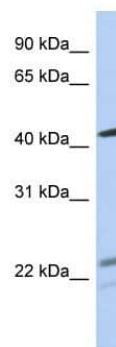
| Product Description | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution. |
| Host | Rabbit |
| Gene ID | 593 |
| Gene Symbol | BCKDHA |
| Species | Human, Mouse |
| Reactivity Notes | Mouse reactivity reported in scientific literature (PMID: 26571352) |
| Immunogen | Synthetic peptide directed towards the N terminal of human BCKDHA. The immunogen for this antibody is BCKDHA. Peptide sequence NVISGIPIYRVMDRQQGIINPSEDPHLPKEKVLKLYKSMTLLNTMDRILY. The peptide sequence for this immunogen was taken from within the described region. |

| Product Application Details | |
|-----------------------------|----------------------------------------------------------------------------------------|
| Applications | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot 1.0 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin |

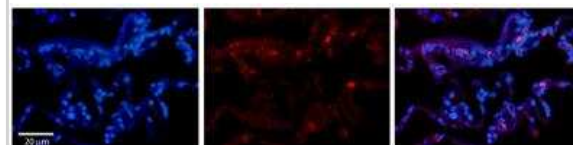


Images

Western Blot: BCKDHA Antibody [NBP1-79616] - MCF-7 whole cell lysates, concentration 0.2-1 ug/ml.



Immunohistochemistry-Paraffin: BCKDHA Antibody [NBP1-79616] - Formalin Fixed Paraffin Embedded Tissue: Human Lung Tissue
Observed Staining: Cytoplasmic in alveolar type I & II cells



Western Blot: BCKDHA Antibody [NBP1-79616] - Human Adult Placenta.



Publications

Green CR, Alaeddine LM, Wessendorf-Rodriguez KA et al. Impaired branched-chain amino acid (BCAA) catabolism during adipocyte differentiation decreases glycolytic flux J Biol Chem 2024-11-15 [PMID: 39551140]

Zhou M, Jing S, Wu CY et al. Targeting BCAA Catabolism to Treat Obesity-Associated Insulin Resistance Diabetes 2019-06-05 [PMID: 31167878]

Wallace M, Green CR, Roberts LS et al. Enzyme promiscuity drives branched-chain fatty acid synthesis in adipose tissues. Nat. Chem. Biol. 2018-11-01 [PMID: 30327559] (WB, Mouse)

Green CR, Wallace M, Divakaruni AS et al. Branched-chain amino acid catabolism fuels adipocyte differentiation and lipogenesis. Nat. Chem. Biol. 2016-01-01 [PMID: 26571352] (WB, Mouse)



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Products Related to NBP1-79616

| | |
|-------------------|-----------------------------------------------------|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |
| NBP1-51018-0.01mg | Recombinant Human BCKDHA His Protein |

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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