

## Rabbit anti-Human BCO1 Polyclonal Antibody | anti-BCO1 antibody

BCO1 Antibody - middle region

|                               |                       |                            |                                     |
|-------------------------------|-----------------------|----------------------------|-------------------------------------|
| CATALOG #<br><b>AAA201264</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|-------------------------------------|

### PRODUCT SYNONYMS

BCO1; Polyclonal Antibody; BCO1 Antibody - middle region; anti-BCO1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following sequence: VEGKGTKYVIFKIPATVPEGKKQGKSPWKHTEVFCSIPSRSLSPSYYS                                                       |
| Sequence Length                                | 547                                                                                                                                                   |
| Applicable Applications for anti-BCO1 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                       | Human: 100%                                                                                                                                           |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-BCMO1 Antibody Titration: 1.0 ug/ml Positive Control: Placenta


**WB (Western Blot)**

Host: Rabbit Target Name: BCO1 Sample Type: 293T Antibody Dilution: 1.0ug/ml BCO1 is supported by BioGPS gene expression data to be expressed in HEK293T

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BCO1 antibody | <p>This is a rabbit polyclonal antibody against BCO1. It was validated on Western Blot</p> <p>Target Description: Vitamin A metabolism is important for vital processes such as vision, embryonic development, cell differentiation, and membrane and skin protection. The protein encoded by this gene is a key enzyme in beta-carotene metabolism to vitamin A. It catalyzes the oxidative cleavage of beta,beta-carotene into two retinal molecules.</p> |
| Product Categories/Family for anti-BCO1 antibody   | <b>Polyclonal</b> ; <b>Drugs and Drug Metabolism</b> ; <b>Various</b>                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 74027270                                |
| NCBI GeneID                      | 53630                                   |
| NCBI Accession #                 | NP_059125                               |
| NCBI GenBank Nucleotide #        | NM_017429                               |
| UniProt Accession #              | Q9HAY6                                  |
| Molecular Weight                 | 63kDa                                   |
| NCBI Official Full Name          | beta,beta-carotene 15,15'-dioxygenase   |
| NCBI Official Synonym Full Names | beta-carotene oxygenase 1               |
| NCBI Official Symbol             | BCO1                                    |
| NCBI Official Synonym Symbols    | BCO; BCDO; BCMO; BCDO1; BCMO1           |
| NCBI Protein Information         | beta,beta-carotene 15,15'-dioxygenase   |
| UniProt Protein Name             | Beta,beta-carotene 15,15'-monooxygenase |
| UniProt Gene Name                | BCMO1                                   |
| UniProt Synonym Gene Names       | BCDO; BCDO1                             |
| UniProt Entry Name               | BCDO1_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/bco1-antibody-western-blot-elisa/201264>