

BCMO1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16142**Specification**

BCMO1 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q9HAY6
Other Accession	NP_059125
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60kDa KDa

BCMO1 Antibody - N-terminal region - Additional Information**Gene ID** 53630**Alias Symbol** BCMO1, BCDO, BCDO1,
Other Names

Beta, beta-carotene 15, 15'-monooxygenase, 1.14.99.36, Beta-carotene dioxygenase 1, Beta-carotene oxygenase 1 {ECO:0000312|HGNC:HGNC:13815}, BCO1 (HGNC:13815)

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 μ l of distilled water. Final Anti-BCMO1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

BCMO1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

BCMO1 Antibody - N-terminal region - Protein Information**Name** BCO1 ([HGNC:13815](#))**Function**

Symmetrically cleaves beta-carotene into two molecules of retinal using a dioxygenase mechanism.

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9I993}

Tissue Location

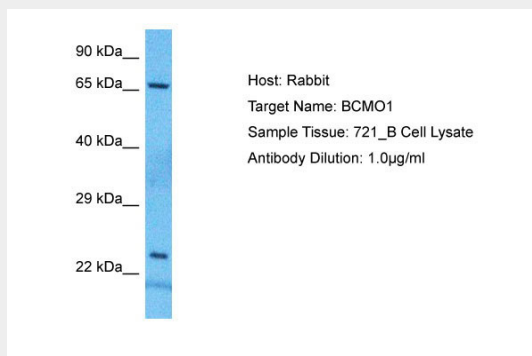
Highly expressed in retinal pigment epithelium. Also expressed in kidney, testis, liver, brain, small intestine and colon.

BCMO1 Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BCMO1 Antibody - N-terminal region - Images



Host: Rabbit
Target Name: BCMO1
Sample Tissue: 721_B Whole Cell lysates
Antibody Dilution: 1.0µg/ml

BCMO1 Antibody - N-terminal region - Background

Symmetrically cleaves beta-carotene into two molecules of retinal. The reaction proceeds in three stages, epoxidation of the 15,15'-double bond, hydration of the double bond leading to ring opening, and oxidative cleavage of the diol formed.

BCMO1 Antibody - N-terminal region - References

Yan W., et al. Genomics 72:193-202(2001).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Lindqvist A., et al. J. Nutr. 137:2346-2350(2007).