

For Research Use Only

# BCMO1 Polyclonal ANTIBODY

Catalog Number: 23308-1-AP



## Basic Information

<b>Catalog Number:</b> 23308-1-AP	<b>GenBank Accession Number:</b> BC126210	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 360 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 53630	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> beta-carotene 15,15'-monooxygenase 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 547 aa, 63 kDa	
<b>Immunogen Catalog Number:</b> AG19732	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : COLO 320 cells, mouse colon tissue IHC : human testis tissue,
<b>Species Specificity:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

BCMO1(Beta,beta-carotene 15,15'-monooxygenase) is also named as BCDO, BCDO1 and belongs to the carotenoid oxygenase family. The human BCMO1 cDNA encodes a 63-kDa protein with homologies to members of a large and diverse family of polyene chain oxidases and carotenoid cleavage enzymes. Although BCMO1 can be detected in several tissues, its expression is most pronounced in intestinal mucosa and liver(PMID:16504037). It catalyzes the central cleavage of β-carotene to all-trans retinal and is the key enzyme in the intestinal metabolism of carotenes to vitamin A.

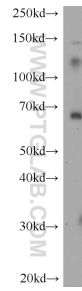
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

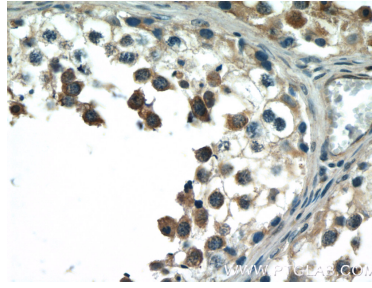
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



COLO 320 cells were subjected to SDS PAGE followed by western blot with 23308-1-AP (BCMO1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 23308-1-AP (BCMO1 Antibody) at dilution of 1:50 (under 40x lens).