

For Research Use Only

BCMO1 Polyclonal antibody

Catalog Number: 23308-1-AP



Basic Information

Catalog Number: 23308-1-AP	GenBank Accession Number: BC126210	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 360 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 53630	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: beta-carotene 15,15'-monooxygenase 1	
Isotype: IgG	Calculated MW: 547 aa, 63 kDa	
Immunogen Catalog Number: AG19732	Observed MW: 65 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : COLO 320 cells, mouse colon tissue

IHC : human testis tissue,

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

*** 20ul sizes contain 0.1% BSA

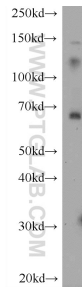
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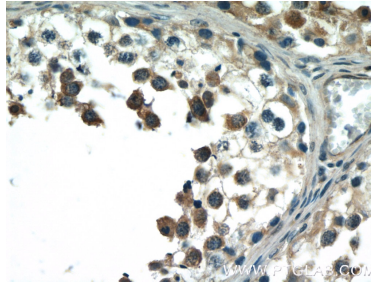
E: proteintech@ptglab.com
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Selected Validation Data



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).