

BBOX1 rabbit monoclonal antibody

Catalog # H00008424-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human BBOX1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human BBOX1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human BBOX1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — BBOX1

Entrez GeneID	8424
GeneBank Accession#	BBOX1
Gene Name	BBOX1
Gene Alias	BBH, BBOX, G-BBH, gamma-BBH
Gene Description	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1
Omim ID	603312
Gene Ontology	Hyperlink
Gene Summary	This gene encodes gamma butyrobetaine hydroxylase which catalyzes the formation of L-carnitine from gamma-butyrobetaine, the last step in the L-carnitine biosynthetic pathway. Carnitine is essential for the transport of activated fatty acids across the mitochondrial membrane during mitochondrial beta-oxidation. [provided by RefSeq]
Other Designations	gamma-butyrobetaine dioxygenase gamma-butyrobetaine hydroxylase gamma-butyrobetaine,2-oxoglutarate dioxygenase 1

Pathway

- [Lysine degradation](#)

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)