

# OAT rabbit monoclonal antibody

Catalog # H00004942-K      Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human OAT peptide using ARM Technology.
Immunogen	A synthetic peptide of human OAT 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 ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human OAT 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) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — OAT

Entrez GeneID	<a href="#">4942</a>
GeneBank Accession#	<a href="#">OAT</a>
Gene Name	OAT
Gene Alias	DKFZp781A11155, HOGA
Gene Description	ornithine aminotransferase (gyrate atrophy)
Omim ID	<a href="#">258870</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes the mitochondrial enzyme ornithine aminotransferase, which is a key enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. Mutations that result in a deficiency of this enzyme cause the autosomal recessive eye disease Gyrate Atrophy. [provided by RefSeq]
Other Designations	OTTHUMP00000020690 ornithine aminotransferase

## Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

## Disease

- [Hypercholesterolemia](#)