

## ARG40514 anti-OAT antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes OAT
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	OAT
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 27-55 of Human OAT.
Conjugation	Un-conjugated
Alternate Names	OATASE; OKT; Ornithine aminotransferase, mitochondrial; Ornithine--oxo-acid aminotransferase; GACR; HOGA; Ornithine delta-aminotransferase; EC 2.6.1.13

### Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	ICC/IF	1:10 - 1:50
	IHC-P	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293	

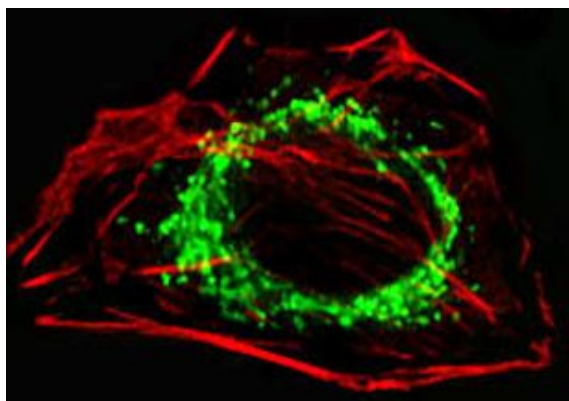
### Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

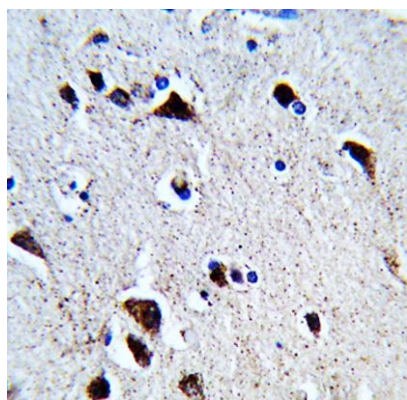
Gene Symbol	OAT
Gene Full Name	ornithine aminotransferase
Background	This gene encodes the mitochondrial enzyme ornithine aminotransferase, which is a key enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. Mutations that result in a deficiency of this enzyme cause the autosomal recessive eye disease Gyrate Atrophy. Alternatively spliced transcript variants encoding different isoforms have been described. Related pseudogenes have been defined on the X chromosome. [provided by RefSeq, Jan 2010]
Calculated Mw	49 kDa
Cellular Localization	Mitochondrion matrix. [UniProt]

## Images



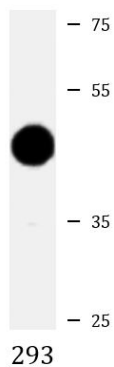
ARG40514 anti-OAT antibody ICC/IF image

Immunofluorescence: A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then stained with ARG40514 anti-OAT antibody (green) at 1:25, 1 hour at 37°C. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated Phalloidin (red).



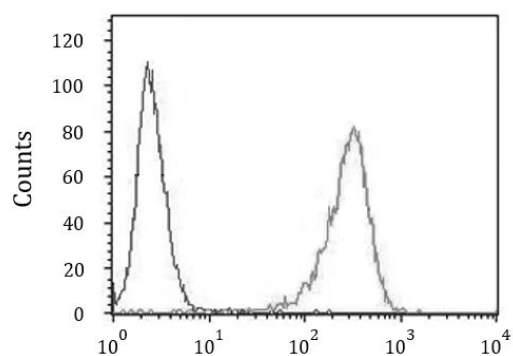
ARG40514 anti-OAT antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human brain tissue stained with ARG40514 anti-OAT antibody.



ARG40514 anti-OAT antibody WB image

Western blot: 20 µg of 293 whole cell lysate stained with ARG40514 anti-OAT antibody at 1:1000 dilution.



ARG40514 anti-OAT antibody FACS image

Flow Cytometry: 293 cells stained with ARG40514 anti-OAT antibody (right histogram) or without primary antibody as control (left histogram), followed by incubation with FITC labelled secondary antibody.