

Rabbit OAT Polyclonal Antibody | anti-OAT antibody

OAT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324929	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

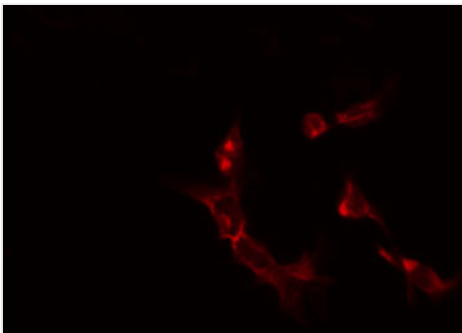
PRODUCT SYNONYMS

OAT; Polyclonal Antibody; OAT Antibody; GACR; Gyrate atrophy; HOGA; OATASE; OKT; Ornithine aminotransferase (gyrate atrophy); Ornithine aminotransferase mitochondrial; ornithine aminotransferase precursor; Ornithine aminotransferase; mitochondrial precursor; Ornithine delta aminotransferase; Ornithine oxo acid aminotransferase; anti-OAT antibody

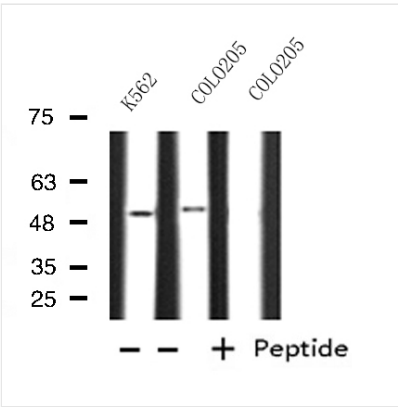
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	OAT antibody detects endogenous levels of total OAT
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	439
Applicable Applications for anti-OAT antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (82%), Zebrafish (82%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (80%), Chicken (91%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324929 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from K562/COLO205 cells, using OAT antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OAT antibody	Function: L-ornithine + a 2-oxo acid = L-glutamate 5-semialdehyde + an L-amino acid. Subunit Structure: Homohexamer. Similarity: Belongs to the class-III pyridoxal-phosphate-dependent aminotransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557809
NCBI GeneID	4942
NCBI Accession #	NP_000265.1
NCBI GenBank Nucleotide #	NM_000274.3
UniProt Accession #	P04181; Q16068; Q16069; Q68CS0; Q6IAV9; Q9UD03; D3DRF0
Molecular Weight	Observed: 48 kD Predicted: 49 kDa
NCBI Official Full Name	ornithine aminotransferase, mitochondrial isoform 1
NCBI Official Synonym Full Names	ornithine aminotransferase
NCBI Official Symbol	OAT
NCBI Official Synonym Symbols	OKT; GACR; HOGA; OATASE
NCBI Protein Information	ornithine aminotransferase, mitochondrial
UniProt Protein Name	Ornithine aminotransferase, mitochondrial
UniProt Gene Name	OAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.