

Rabbit anti-Human, Mouse OAT Polyclonal Antibody | anti-OAT antibody

Rabbit anti-OAT Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213226	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

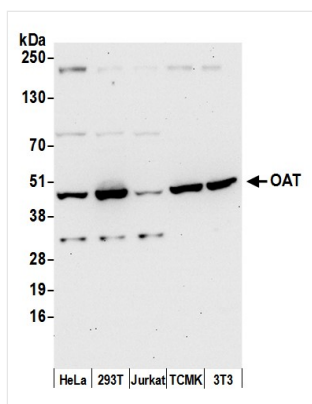
PRODUCT SYNONYMS

OAT; Polyclonal Antibody; Rabbit anti-OAT Antibody; Affinity Purified; ornithine aminotransferase; mitochondrial; testicular tissue protein Li 130; ornithine-oxo-acid aminotransferase; Ornithine--oxo-acid aminotransferase; ornithine delta-aminotransferase; OATASE; HOGA; gyrate atrophy; GACR; OKT; Ornithine aminotransferase; anti-OAT antibody

PRODUCT SPECIFICATIONS

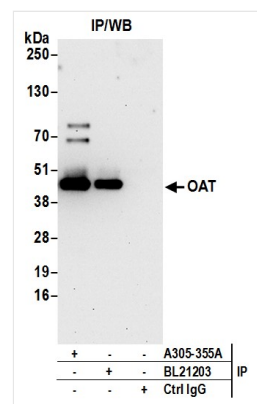
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-OAT antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse OAT by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-OAT antibody AAA213226 (lot AAA213226-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human OAT by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-OAT antibody AAA213226 (lot AAA213226-1) used for IP at 6 ug per reaction. OAT was also immunoprecipitated by rabbit anti-OAT antibody BL21203. For blotting immunoprecipitated OAT, AAA213226 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-OAT antibody	Ornithine aminotransferase (OAT) 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 [taken from NCBI Entrez Gene (Gene ID: 4942)].
Product Categories/Family for anti-OAT antibody	Primary Antibodies

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	48,535 Da
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; gyrate atrophy; ornithine delta-aminotransferase; ornithine-oxo-acid aminotransferase
UniProt Protein Name	Ornithine aminotransferase, mitochondrial
UniProt Gene Name	OAT
UniProt Entry Name	OAT_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/oat-antibody-immunoprecipitation-western-blot-elisa/213226>