

Rabbit OAT Polyclonal Antibody | anti-OAT antibody

OAT antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199864	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Western Blot

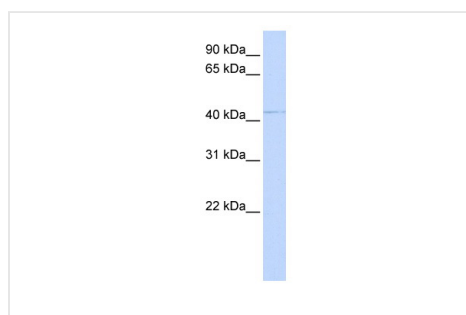
PRODUCT SYNONYMS

OAT; Polyclonal Antibody; OAT antibody - middle region; anti-OAT antibody

PRODUCT SPECIFICATIONS

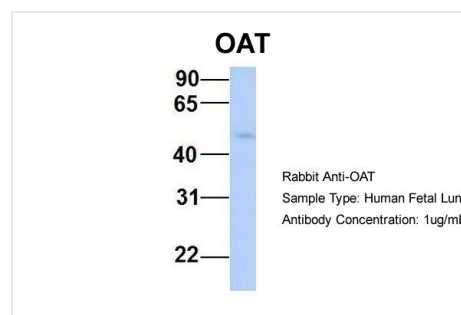
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: RTLSAISSTDP TSYDGFGPFM PGFDIIPYND LPALERALQD PNVA AFMV
Sequence Length	439
Applicable Applications for anti-OAT antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 93%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human OAT
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



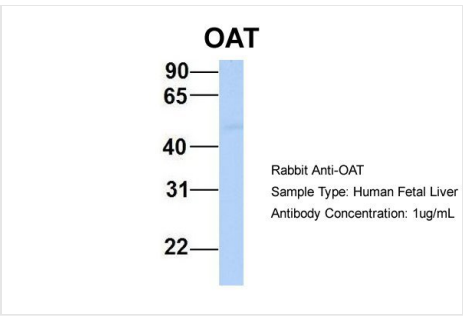
WB (Western Blot)

WB Suggested Anti-OAT Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:12500
 Positive Control: 293T cell lysate
 OAT is supported by BioGPS gene expression data to be expressed in HEK293T



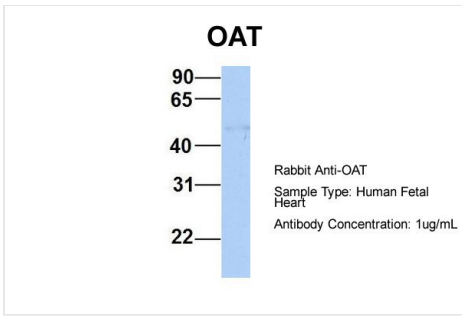
WB (Western Blot)

Host: Rabbit
 Target Name: OAT
 Sample Type: Human Fetal Lung
 Antibody Dilution: 1.0ug/ml



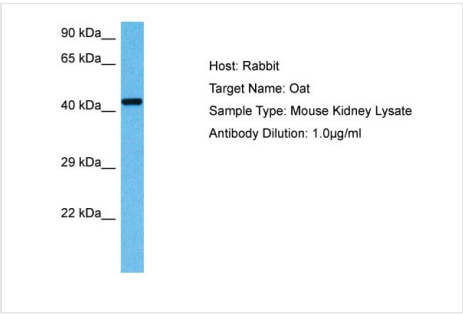
WB (Western Blot)

Host: RabbitTarget Name: OATSample Type: Human Fetal LiverAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: OATSample Type: Human Fetal HeartAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: MouseTarget Name: OATSample Tissue: Mouse KidneyAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-OAT antibody	This is a rabbit polyclonal antibody against OAT. It was validated on Western Blot using a cell lysate as a positive control. Target Description: OAT is a key enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. Mutations of this enzyme cause the autosomal recessive eye disease Gyrate Atrophy. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-42 DB459793.1 27-68 43-2062 BC016928.1 1-2020 2063-2066 M12267.1 2010-2013
Product Categories/Family for anti-OAT antibody	Polyclonal; Signal Proteins; Drugs and Drug Metabolism; Signal Transduction; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557809
NCBI GeneID	4942
NCBI Accession #	NP_000265
NCBI GenBank Nucleotide #	NM_000274
UniProt Accession #	P04181
Molecular Weight	45kDa
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
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-western-blot-elisa/199864>