

Rabbit OAT Polyclonal Antibody | anti-OAT antibody

OAT antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199865	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

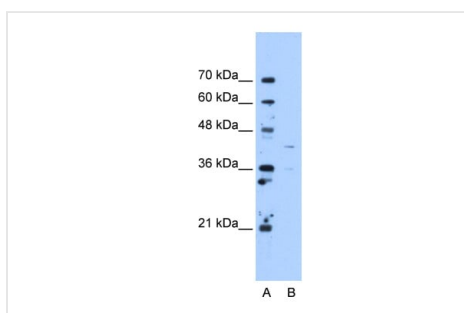
PRODUCT SYNONYMS

OAT; Polyclonal Antibody; OAT antibody - C-terminal region; anti-OAT antibody

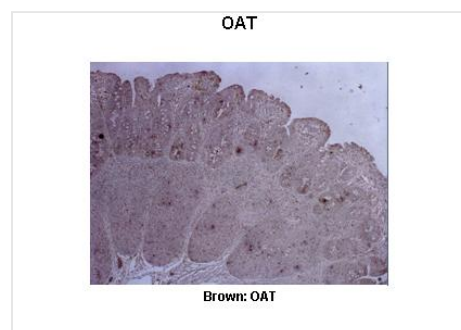
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A 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 sequence: VR GKLLNAIVI KETKDWDWK VCLRLRDNG LAKPTHGDI RFAPPLVI
Sequence Length	439
Applicable Applications for anti-OAT antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal 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.

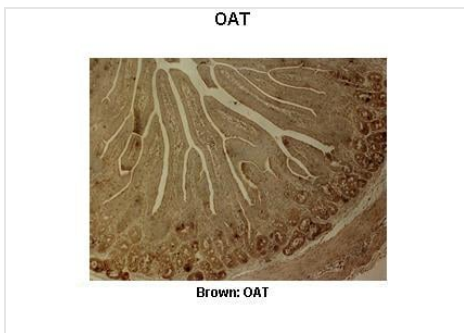
IMAGES


WB (Western Blot)

WB Suggested Anti-OAT Antibody Titration: 5.0ug/ml Positive Control: HepG2 cell lysate


IHC (Immunohistochemistry)

Sample Type :Pig ileum Primary Antibody Dilution :1:500 Secondary Antibody :Anti-rabbit-biotin, streptavidin-HRP Secondary Antibody Dilution :1:500 Color/Signal Descriptions :Brown: OAT Gene Name :OAT Submitted by :Juan C. Mari, USDA/ARS Children's Nutrition Research Center Baylor College of Medicine



IHC (Immunohistochemistry)

Sample Type :Pig duodenum Primary Antibody Dilution :1:500Secondary Antibody :Anti-rabbit-biotin, streptavidin-HRP Secondary Antibody Dilution :1:500Color/Signal Descriptions :Brown: OATGene Name :OAT Submitted by :Juan C. Mari, USDA/ARS Children's Nutrition Research Center Baylor College of Medicine

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/oat-antibody-western-blot-immunohistochemistry-elisa/199865>