

Rabbit anti-Human, Rat ACAA2 Polyclonal Antibody | anti-ACAA2 antibody

ACAA2 Antibody

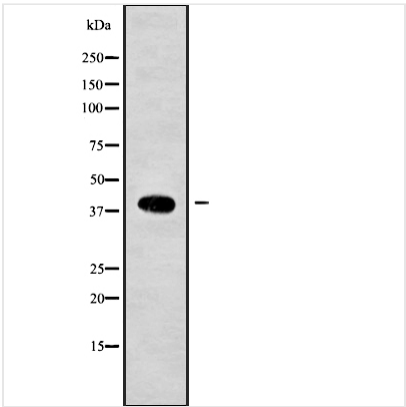
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327779	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

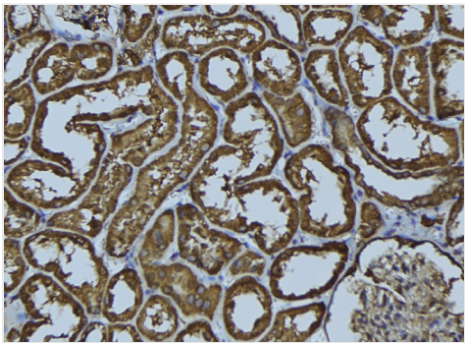
ACAA2; Polyclonal Antibody; ACAA2 Antibody; 3 ketoacyl CoA thiolase; 3 ketoacyl CoA thiolase mitochondrial; 3-ketoacyl-CoA thiolase; mitochondrial; 3-oxoacyl-CoA thiolase; ACAA 2; Acaa2; Acetyl CoA acyltransferase 2; Acetyl CoA acyltransferase; Acetyl Coenzyme A acyltransferase 2; Acetyl-CoA acyltransferase; Beta ketothiolase; Beta-ketothiolase; DSAEC; Mitochondrial 3 oxoacyl CoA thiolase; Mitochondrial 3 oxoacyl Coenzyme A thiolase; Mitochondrial 3-oxoacyl-CoA thiolase; T1; THIM_HUMAN; anti-ACAA2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ACAA2 antibody detects endogenous levels of total ACAA2
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	397
Applicable Applications for anti-ACAA2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ACAA2
Subcellular Location	Mitochondrion
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (83%), Zebrafish (83%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (92%), Dog (92%), Chicken (92%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of ACAA2 using Jurkat whole cell lysates



IHC (Immunohistochemistry)
AAA327779 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ACAA2 antibody	Function: Abolishes BNIP3-mediated apoptosis and mitochondrial damage. Subunit Structure: Homotetramer. Interacts with BNIP3. Similarity: Belongs to the thiolase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167614485
NCBI GeneID	10449
NCBI Accession #	NP_006102.2
NCBI GenBank Nucleotide #	NM_006111.2
UniProt Accession #	P42765; Q9BUT6
Molecular Weight	Observed: 42 kDa Predicted: 42 kDa
NCBI Official Full Name	3-ketoacyl-CoA thiolase, mitochondrial
NCBI Official Synonym Full Names	acetyl-CoA acyltransferase 2
NCBI Official Symbol	ACAA2
NCBI Official Synonym Symbols	DSAEC
NCBI Protein Information	3-ketoacyl-CoA thiolase, mitochondrial
UniProt Protein Name	3-ketoacyl-CoA thiolase, mitochondrial
UniProt Gene Name	ACAA2

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.