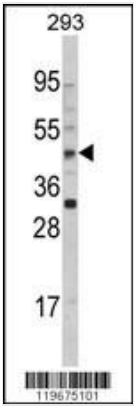
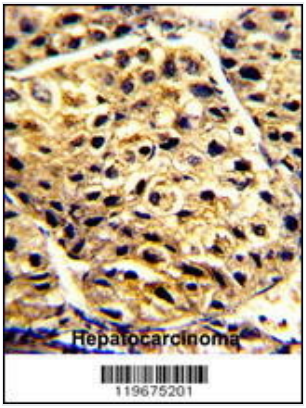
AADAC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

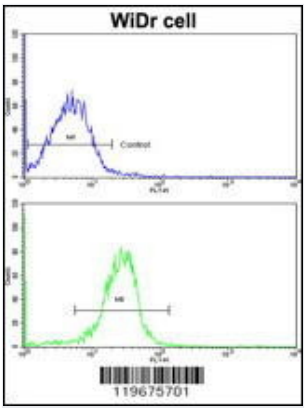
Product Name	AADAC, Polyclonal Antibody
Full Product Name	AADAC, CT (Arylacetamide Deacetylase, DAC) (MaxLight 650)
Product Gene Name	anti-AADAC antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human AADAC.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	46kDa
OMIM	600338
3D Structure	ModBase 3D Structure for P22760
Immunogen	KLH-conjugated synthetic peptide corresponding to a portion of amino acids within residues 279-309 in the C-terminal region of human AADAC.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-AADAC antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-AADAC antibody	Western Blot (WB), FLISA
Application Notes for anti-AADAC antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-AADAC antibody	MBS6464173 is an antibody targeting AADAC. Also known as AADAC, CT (Arylacetamide Deacetylase, DAC) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-AADAC antibody	1. Saito, S., et.al., J. Hum. Genet. 48(5), 249-270 (2003).
Other Notes	Small volumes of anti-AADAC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



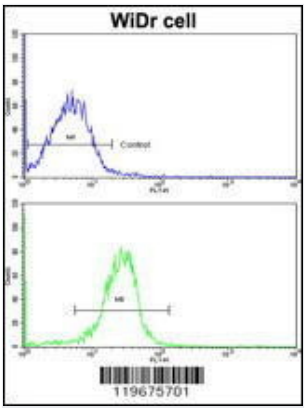
Western Blot (WB) of anti-AADAC antibody
Western blot analysis of AADAC Antibody (C-term) in 293 cell line lysates (35ug/lane). AADAC (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-AADAC antibody
Formalin-fixed and paraffin-embedded human hepatocarcinoma with AADAC Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-AADAC antibody
Flow cytometric analysis of widr cells using AADAC Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blot (WB) of anti-AADAC antibody
Western blot analysis of AADAC (arrow) using rabbit polyclonal AADAC Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the AADAC gene.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AADAC. It may not necessarily be applicable to this product.

NCBI GI #	68299767
NCBI GeneID	13
NCBI Accession #	NP_001077
UniProt Primary Accession #	P22760
UniProt Related Accession #	P22760
GenBank Nucleotide #	NM_001086
NCBI Official Full Name	arylacetamide deacetylase
NCBI Official Synonym Full Names	arylacetamide deacetylase
NCBI Official Symbol	AADAC
NCBI Official Synonym Symbols	DAC; CES5A1
UniProt Protein Name	Arylacetamide deacetylase
Protein Family	Arylacetamide deacetylase
UniProt Gene Name	AADAC

UniProt Synonym Gene Names	DAC
UniProt Entry Name	AAAD_HUMAN
NCBI Protein Information	arylacetamide deacetylase
NCBI Summary for AADAC	Microsomal arylacetamide deacetylase competes against the activity of cytosolic arylamine N-acetyltransferase, which catalyzes one of the initial biotransformation pathways for arylamine and heterocyclic amine carcinogens [provided by RefSeq, Jul 2008]
UniProt Comments for AADAC	AADAC: Arylacetamide deacetylation is an important enzyme activity in the metabolic activation of arylamine substrates to ultimate carcinogens. Displays major serine hydrolase activity in liver microsomes. Hydrolyzes also flutamide, which is an antiandrogen drug used for the treatment of prostate cancer that occasionaly causes severe hepatotoxicity. Displays cellular triglyceride lipase activity in liver. Increases intracellular fatty acids derived from hydrolysis of newly formed triglyceride stores. Belongs to the 'GDXG' lipolytic enzyme family. Protein type: Endoplasmic reticulum; Membrane protein, integral; Deacetylase; Motility/polarity/chemotaxis; EC 3.1.1.3; Lipase Chromosomal Location of Human Ortholog: 3q25.1 Cellular Component: endoplasmic reticulum membrane; integral to membrane Molecular Function: deacetylase activity; triacylglycerol lipase activity; serine hydrolase activity; lipase activity; catalytic activity Biological Process: metabolic process
Research Articles on AADAC	**1.** that the AADAC gene c.361+1G>A variant may be a potential candidate factor for Tourette syndrome development
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