

Human N-Acetyltransferase 2 (NAT2) ELISA Kit | NAT2 elisa kit

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CATALOG #
AAA68608

REACTIVITY
Human

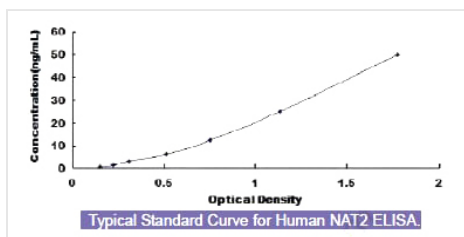
PRODUCT SYNONYMS

N-Acetyltransferase 2 (NAT2); Human N-Acetyltransferase 2 (NAT2) ELISA Kit; AAC2; PNAT; Arylamine N-Acetyltransferase; Arylamide acetylase 2; Polymorphic arylamine N-acetyltransferase; NAT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NAT2. No significant cross-reactivity or interference between NAT2 and analogues was observed.
Sequence Length	290
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	<0.25ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NAT2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NAT2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NAT2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NAT2 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NAT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NAT2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NAT2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of NAT2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116295260
NCBI GeneID	10
NCBI Accession #	NP_000006.2
NCBI GenBank Nucleotide #	NM_000015.2
UniProt Accession #	P11245; O43637; O60654; O60655; Q13146; Q16697; Q2MLE4; Q2MLF5; Q2MLG8; Q2MLJ6; Q2MLK4; Q2MLK6
Molecular Weight	33,542 Da
NCBI Official Full Name	arylamine N-acetyltransferase 2
NCBI Official Synonym Full Names	N-acetyltransferase 2
NCBI Official Symbol	NAT2
NCBI Official Synonym Symbols	AAC2; PNAT; NAT-2
NCBI Protein Information	arylamine N-acetyltransferase 2
UniProt Protein Name	Arylamine N-acetyltransferase 2
UniProt Gene Name	NAT2
UniProt Synonym Gene Names	AAC2; NAT-2; PNAT

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.