

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

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CATALOG #
AAA331531

REACTIVITY
Human

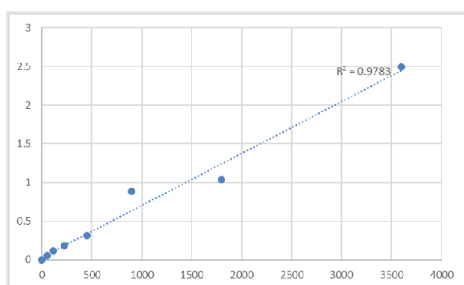
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Arylamine N-acetyltransferase 2 (NAT2) ELISA Kit has high sensitivity and excellent specificity for detection of Human NAT2. No significant cross-reactivity or interference between Human NAT2 and analogues was observed.
Sequence Length	290
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Arylamine N-acetyltransferase 2 (NAT2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NAT2 elisa kit	Description: This Human Arylamine N-acetyltransferase 2 (NAT2) ELISA Kit employs a two-site sandwich ELISA to quantitate NAT2 in samples. An antibody specific for NAT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NAT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NAT2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NAT2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: NAT2 encodes an enzyme that functions to both activate and deactivate arylamine and hydrazine drugs and carcinogens. Polymorphisms in NAT2 are responsible for the N-acetylation polymorphism in which human populations segregate into rapid, intermediate, and slow acetylator phenotypes. Polymorphisms in NAT2 are also associated with higher incidences of cancer and drug toxicity. A second arylamine N-acetyltransferase gene (NAT1) is located near this gene (NAT2)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116295260
NCBI GeneID	10
NCBI Accession #	NP_000006.2
NCBI GenBank Nucleotide #	NP_000006.2
UniProt Accession #	P11245
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
UniProt Entry Name	ARY2_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.