Recombinant Human NAT2 cell lysate

Cat. No. NAT2-1169HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	This gene encodes an enzyme that functions to both activate and deactivate arylamine and hydrazine drugs and carcinogens. Polymorphisms in this gene are responsible for the N-acetylation polymorphism in which human populations segregate into rapid, intermediate, and slow acetylator phenotypes. Polymorphisms in this gene are also associated with higher incidences of cancer and drug toxicity. A second arylamine N-acetyltransferase gene (NAT1) is located near this gene (NAT2).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	NAT2 N-acetyltransferase 2 (arylamine N-acetyltransferase) [Homo sapiens]
Official Symbol	NAT2
Synonyms	NAT2; N-acetyltransferase 2 (arylamine N-acetyltransferase); AAC2; arylamine N-acetyltransferase 2; arylamide acetylase 2; N-acetyltransferase type 2; PNAT; NAT-2;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	10
mRNA Refseq	NM_000015
Protein Refseq	NP_000006
MIM	612182
UniProt ID	P11245
Chromosome Location	8p22
Pathway	Acetylation, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Caffeine metabolism, organism-specific biosystem; Caffeine metabolism, conserved biosystem; Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	acetyltransferase activity; arylamine N-acetyltransferase activity; transferase activity, transferring acyl groups;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA