Best Tools for immunology Research

ARY2 rabbit pAb

Catalog No :	YT7703
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	ARY2
Fields :	>>Caffeine metabolism;>>Drug metabolism - other enzymes;>>Metabolic pathways;>>Chemical carcinogenesis - DNA adducts
Gene Name :	NAT2 AAC2
Protein Name :	ARY2
Human Gene Id :	10
Human Swiss Prot No :	P11245
Mouse Gene Id :	17961
Mouse Swiss Prot No :	P50295
Rat Gene Id :	116632
Rat Swiss Prot No :	P50298
Immunogen :	Synthesized peptide derived from human ARY2 AA range: 80-130
Specificity :	This antibody detects endogenous levels of ARY2 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

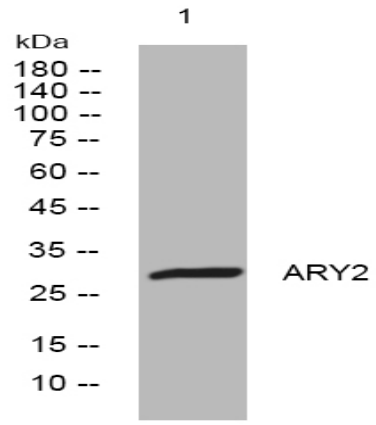
Molecularweight : 32kD

Background : 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). [provided by RefSeq, Jul 2008],

Function : catalytic activity:Acetyl-CoA + an arylamine = CoA + an N-acetylarylamine.,disease:Genetic variations in NAT2 determine N-acetylation polymorphism by a low or high NAT activity in the liver [MIM:243400]. It has been implicated in the action and toxicity of amine-containing drugs, and in the susceptibility to bladder cancer and systemic lupus erythematosus. This isozyme is responsible for this polymorphism.,function:Participates in the detoxification of a plethora of hydrazine and arylamine drugs. Catalyzes the N- or O-acetylation of various arylamine and heterocyclic amine substrates and is able to bioactivate several known carcinogens.,online information:NAT alleles,online information:The Singapore human mutation and polymorphism database,similarity:Belongs to the arylamine N-acetyltransferase family.,

Subcellular Location : Cytoplasm.

Products Images



Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4°over night