

CYP3A4 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02419
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 3A4. AA range:91-140
Mol wt	57343
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	CYP3A4 Antibody
Synonyms	CYP3A4; CYP3A3; Cytochrome P450 3A4; 1; 8-cineole 2-exo-monooxygenase; Albendazole monooxygenase; Albendazole sulfoxidase; CYP11A3; CYP11A4; Cytochrome P450 3A3; Cytochrome P450 HLP; Cytochrome P450

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CYP3A4 encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and its expression is induced by glucocorticoids and some pharmacological agents. This enzyme is involved in the metabolism of approximately half the drugs in use today, including acetaminophen, codeine, cyclosporin A, diazepam and erythromycin. The enzyme also metabolizes some steroids and carcinogens. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Previously another CYP3A gene, CYP3A3, was thought to exist; however, it is now thought that this sequence represents a transcript variant of CYP3A4. Alternatively spliced transcript variants encoding different isoforms have been identified.

Recommended Dilution

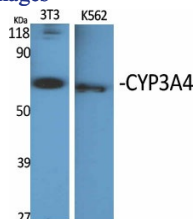
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

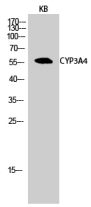
ELISA: 1: 5000

Not yet tested in other applications.

Images



Western Blot analysis of various cells using CYP3A4 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of KB cells using CYP3A4 Polyclonal Antibody diluted at 1:1000

Storage

-20°C for one year

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