

Product datasheet for **AP14581PU-N**

Cytochrome P450 3A4 (CYP3A4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human CYP3A4.
Specificity:	This antibody reacts to CYP3A4.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cytochrome P450 family 3 subfamily A member 4
Database Link:	Entrez Gene 1576 Human P08684



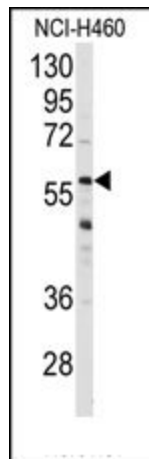
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Background:

CYP3A4, is a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which 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 which are used today, including acetaminophen, codeine, cyclosporin A, diazepam and erythromycin. The enzyme also metabolizes some steroids and carcinogens.

Synonyms:

CYP3A3, Cytochrome P450 3A4, CYP11A4, Nifedipine oxidase, Cytochrome P450 3A3, CYP11A3, Cytochrome P450 HLp, Cytochrome P450 NF-25, Cytochrome P450-PCN1, Albendazole monooxygenase, Albendazole sulfoxidase

Product images:

Western blot analysis of anti-CYP3A4 Antibody (Center) in NCI-H460 cell line lysates (35ug/lane). CYP3A4 (arrow) was detected using the purified Pab.