

Datasheet for ABIN7604578 **anti-CYP3A4 antibody**



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Overview

Quantity:	100 µL
Target:	CYP3A4
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CYP3A4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	Anti-Cytochrome P450 3A4 CYP3A4 Monoclonal Antibody
Immunogen:	A synthesized peptide derived from human Cytochrome P450 3A4. Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulfoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. The enzyme also hydroxylates etoposide.
Clone:	ACDE-3
Isotype:	IgG
Characteristics:	Anti-Cytochrome 3A4 CYP3A4 Monoclonal Antibody (ABIN7604578). Tested in WB, IHC, IP applications. This antibody reacts with Human.
Purification:	Affinity-chromatography

Target Details

Target:	CYP3A4
Alternative Name:	CYP3A4 (CYP3A4 Products)
Background:	Synonyms: Bone morphogenetic protein 2,BMP-2,Bone morphogenetic protein 2A,BMP-2A,BMP2,BMP2A, Tissue Specificity: Particularly abundant in lung, spleen and colon and in low but significant levels in heart, brain, placenta, liver, skeletal muscle, kidney, pancreas, prostate, ovary and small intestine.
Molecular Weight:	32 kDa
UniProt:	P08684
Pathways:	Steroid Hormone Biosynthesis

Application Details

Application Notes:	WB 1:1000-1:5000 IHC 1:50-1:200 IP 1:50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	Restore with deionized water (or equivalent) for reconstitution volume of 1.0 mL
Concentration:	Lot specific
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol, 0.4-0.5 mg/mL BSA.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.