

Datasheet for ABIN947763
anti-CYP1A1 antibody (AA 1-512)



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Overview

Quantity:	50 µg
Target:	CYP1A1
Binding Specificity:	AA 1-512
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This CYP1A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Mouse polyclonal antibody raised against a full-length human CYP1A1 protein.
Immunogen:	CYP1A1 (NP_000490.1, 1 a.a. ~ 512 a.a) full-length human protein.
Sequence:	MLFPISMSAT ELLASVIFC LVFWVIRASR PQVPKGLKNP PGPWGWPLIG HMLTLGKNPH LALS RMSQY GDVLQIRIGS TPVVLSGLD TIRQALVRQG DDFKGRPDLY TFTLISNGQS MSFSPDSGPV WAARRRLAQN GLKSFSIASD PASSTSCYLE EHVSKEAEVL ISTLQELMAG PGHFNPYRYV VVSVTNVICA ICFGRRYDHN HQELLSLVNL NNNFGEVVGS GNPADFIPIL RYLPNPSLNA FKDLNEKFYS FMQKMVKEHY KTFEKGHIRD ITDSLIEHCQ EKQLDENANV QLSDEKIINI VLDLFGAGFD TVTTAISWSL MYLVMNPRVQ RKIQEELDTV IGRSRRPRLS DRSHLPYMEA FILETFRHSS FVPFTIPHST TRDTSKGFY IPKGRCVFVN QWQINHQQKL WVNPSEFLPE RFLTPDGAID KVLSEKVIIF GMGKRKCIGE TIARWEVFLF LAILLQRVEF SVPLGVKVDM TPIYGLTMKH ACCEHFQMQL RS

Product Details

Cross-Reactivity:	Human
Characteristics:	Antibody reactive against mammalian transfected lysate.

Target Details

Target:	CYP1A1
Alternative Name:	CYP1A1 (CYP1A1 Products)
Background:	Full Gene Name: cytochrome P450, family 1, subfamily A, polypeptide 1 Synonyms: AHH,AHRR,CP11,CYP1,P1-450,P450-C,P450DX
Gene ID:	1543
NCBI Accession:	NM_000499
Pathways:	Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

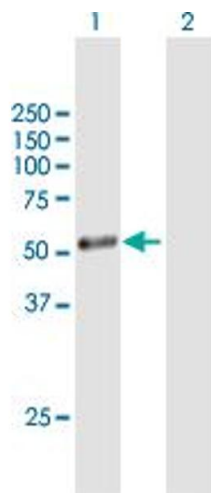
Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Zapletal, Tylichová, Neča, Kohoutek, Machala, Milcová, Pokorná, Topinka, Moyer, Hofmanová, Kozubík, Vondráček: "Butyrate alters expression of cytochrome P450 1A1 and metabolism of benzo[a]pyrene via its histone deacetylase activity in colon epithelial cell models." in: Archives of toxicology , Vol. 91, Issue 5, pp. 2135-2150, (2016) (PubMed).
	Kabátková, Zapletal, Tylichová, Neča, Machala, Milcová, Topinka, Kozubík, Vondráček: "Inhibition of β -catenin signalling promotes DNA damage elicited by benzo[a]pyrene in a model of human colon cancer cells via CYP1 deregulation." in: Mutagenesis , Vol. 30, Issue 4, pp. 565-76, (2015) (

[PubMed](#)).



Western Blotting

Image 1. Western Blot analysis of CYP1A1 expression in transfected 293T cell line by CYP1A1 MaxPab polyclonal antibody.

Lane 1: CYP1A1 transfected lysate(56.32 KDa).
Lane 2: Non-transfected lysate.