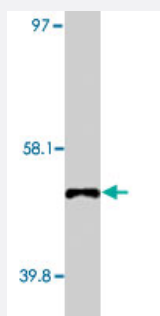


CYP3A7 monoclonal antibody, clone F19 P2 H2

Catalog # MAB1860

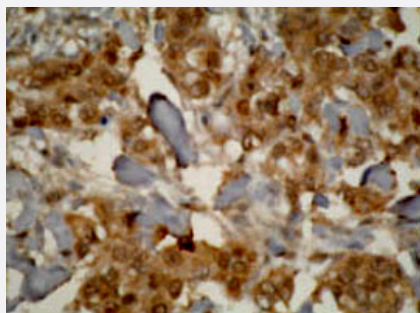
Size 200 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis using CYP3A7 monoclonal antibody, clone F19 P2 H2 (Cat # MAB1860) on various recombinant CYP3A7 proteins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry staining of human prostate cancer tissue using CYP3A7 monoclonal antibody, clone F19 P2 H2 (Cat # MAB1860).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of CYP3A7.
Immunogen	A synthetic peptide corresponding to C-terminus of human CYP3A7.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Recombinant protein)

Western blot analysis using CYP3A7 monoclonal antibody, clone F19 P2 H2 (Cat # MAB1860) on various recombinant CYP3A7 proteins.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry staining of human prostate cancer tissue using CYP3A7 monoclonal antibody, clone F19 P2 H2 (Cat # MAB1860).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CYP3A7

Entrez GeneID	1551
Gene Name	CYP3A7
Gene Alias	CP37, P450-HFLA
Gene Description	cytochrome P450, family 3, subfamily A, polypeptide 7
Omim ID	605340
Gene Ontology	Hyperlink
Gene Summary	This gene, CYP3A7, encodes 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 enzyme hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. The enzyme also metabolizes some drugs such as aflatoxin B1. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Transcript variants have been described, but it is not known whether these transcripts are normally produced. [provided by RefSeq]

Other Designations

aryl hydrocarbon hydroxylase|cytochrome P450, subfamily IIIA, polypeptide 7|flavoprotein-linked monooxygenase|microsomal monooxygenase|xenobiotic monooxygenase

Publication Reference

- [Cytochrome p450 profile of colorectal cancer: identification of markers of prognosis.](#)

Kumarakulasingham M, Rooney PH, Dundas SR, Telfer C, Melvin WT, Curran S, Murray GI.

Clinical Cancer Research 2005 May; 11(10):3758.

Application: IHC, Human, Human colorectal cancer

- [Variability of CYP3A7 expression in human fetal liver.](#)

Leeder JS, Gaedigk R, Marcucci KA, Gaedigk A, Vyhldal CA, Schindel BP, Pearce RE.

The Journal of Pharmacology and Experimental Therapeutics 2005 Aug; 314(2):626.

Application: WB, Human, Human fetal livers

- [Selective suppressions of human CYP3A forms, CYP3A5 and CYP3A7, by troglitazone in HepG2 cells.](#)

Ogino M, Nagata K, Yamazoe Y.

Drug Metabolism and Pharmacokinetics 2002 Jan; 17(1):42.

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Drug metabolism - other enzymes](#)
- [gamma-Hexachlorocyclohexane degradation](#)
- [Linoleic acid metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Retinol metabolism](#)

Disease

- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)