

**Name: CYP1A2 mouse monoclonal antibody, clone UMAB105**  
**Product Data Sheet - UltraMAB**

**Catalog: UM500073**

Gene Name: Homo sapiens cytochrome P450, family 1, subfamily A, polypeptide 2 (CYP1A2)  
GeneBank accession: NM\_000761  
Isotype: IgG1

Reactivity: Human  
Test application: WB  
Clone Name: Clone UMAB105

**Gene Synonym:** CP12; P3-450; P450(PA)

**Validation Data:**

**Guaranteed Applications:** IHC

**Western Blot**

**Suggested Dilutions:** IHC 1:100,

**Immunogen:** Full length human recombinant protein of human CYP1A2 (NP\_000752) produced in HEK293T cell.

**Components:**

- CYP1A2 mouse monoclonal antibody, clone UMAB105 (UM500073)

**Amount:**

UM500073 100ul

**Concentration:** 0.5~1.0 mg/ml (Lot Dependent)

**Storage Condition:** Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

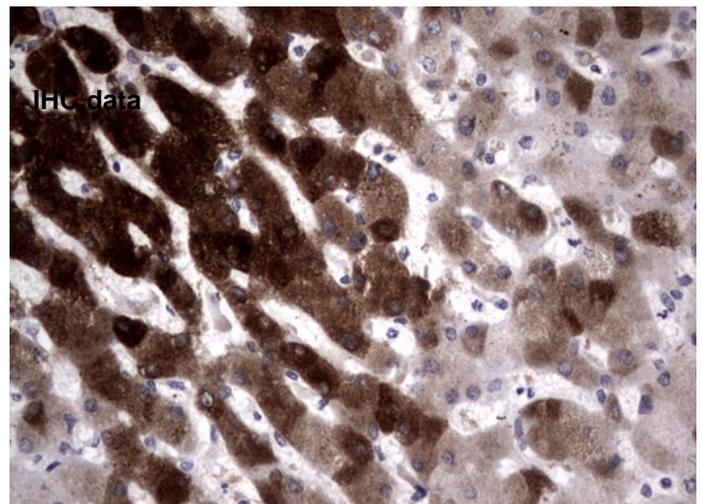
**Buffer:** PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

**Purification:**

Purified from mouse ascites fluids by affinity chromatography

**Background:**

This gene 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. The protein encoded by this gene localizes to the endoplasmic reticulum and its expression is induced by some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. Other xenobiotic substrates for this enzyme include caffeine, aflatoxin B1, and acetaminophen. The transcript from this gene contains four Alu sequences flanked by direct repeats in the 3' untranslated region. [provided by RefSeq, Jul 2008].



Immunohistochemical staining of paraffin-embedded Human embryonic liver tissue using anti-CYP1A2 mouse monoclonal antibody. (UM500073)

**Related Product:**

TrueORF cDNA clones  
VERIFY Tagged Antigen lysates  
HuSH-29 shRNA  
Western Blot reagents  
Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

\* More validation images may be available on our website:

<http://www.origene.com/antibody/UM500073.aspx>

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***

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