

# Anti-Cytochrome P450 1A2 [D15]

**Catalogue number:** 151201

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Roland Wolf

**Institute:** University of Dundee

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Cytochrome P450 1A2 [D15]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** In animals, P450 enzymes serve two major functions: (1) biosynthesis of steroids, fatty acids, and bile acids; (2) metabolism of endogenous and a wide variety of exogenous substrates, such as toxins and drugs. The four major families involved in drug metabolism are CYP 1,2,3, and 4.

CYP1A2 is an aryl hydrocarbon hydroxylase involved in the metabolism of endogenous compounds and xenobiotics. It is one of the major drug metabolising enzymes in humans.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human ; Mouse ; Rat

**Selectivity:**

**Host:** Mouse

**Immunogen:** MC1a (Preparation C31B4, rat liver cytochrome P4501A2)

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

MCF7 cells (IF) or human normal liver (IHC)

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Cytochrome P450 1A2, CYP1A2

**Target alternate names:**

**Target background:** In animals, P450 enzymes serve two major functions: (1) biosynthesis of steroids, fatty acids, and bile acids; (2) metabolism of endogenous and a wide variety of exogenous substrates, such as toxins and drugs. The four major families involved in drug metabolism are CYP 1,2,3, and 4. CYP1A2 is an aryl hydrocarbon hydroxylase involved in the metabolism of endogenous compounds and xenobiotics. It is one of the major drug metabolising enzymes in humans.

**Molecular weight:** 52 kDa

**Ic50:**

## Applications

**Application:** ELISA ; IHC ; IF ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

# References

References:

CancerTools.org