

# Anti-Cytochrome P450 3A4 [F24 P2 B10]

**Catalogue number:** 151862

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Ayham Alnabulsi

**Institute:** Vertebrate Antibodies Limited

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Cytochrome P450 3A4 [F24 P2 B10]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Cytochrome P450 3A4 (CYP3A4) encodes a member of the cytochrome P450 superfamily of enzymes that are a group of heme-thiolate monooxygenases. Cytochromes P450 catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. CYP3A4 expressed mainly in the liver and intestine oxidizes xenobiotics that are then removed from the body.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1 kappa

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Ovalbumin-conjugated synthetic peptide ESRDGTVSGA

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

IHC: formalin-fixed, paraffin-embedded prostate cancer sections. Western blot: recombinant P450 (shown below @ 0.5 pmol per lane). Negative control: Gentest Cat. No M101b.

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** CYP3A4 & CYP3A5 Cytochrome P450 3A4 (EC 1.14.13.67) (Quinine 3-monooxygenase)

**Target alternate names:**

**Target background:** Cytochrome P450 3A4 (CYP3A4) encodes a member of the cytochrome P450 superfamily of enzymes that are a group of heme-thiolate monooxygenases. Cytochromes P450 catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. CYP3A4 expressed mainly in the liver and intestine oxidizes xenobiotics that are then removed from the body.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; IHC ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1 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