

# Anti-Cytochrome P450 4F11 [F21 P6 F5]

**Catalogue number:** 151865

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Ayham Alnabulsi

**Institute:** Vertebrate Antibodies Limited

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Cytochrome P450 4F11 [F21 P6 F5]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Cytochrome P450 4F11 (CYP4F11) 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. CYP4F11 has catalytic properties towards endogenous eicosanoids as well as some clinically relevant drugs, including benzphetamine, ethylmorphine, chlorpromazine, imipramine and erythromycin. CYP4F11 is expressed in the liver, kidney, heart, brain, and skeletal muscle and is overexpressed in ovarian and colon cancers.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1 kappa

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Ovalbumin-conjugated synthetic peptide RVEPLGANSQ (C-terminal sequence)

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** IHC: formalin-fixed, paraffin-embedded liposarcoma sections. western blot: kidney cell lysates

**Bacterial resistance:****Selectable markers:****Additional notes:**

## Target details

**Target:** CYP4F11- Cytochrome P450 4F11 (EC 1.14.14.1) (CYP11B11)

**Target alternate names:**

**Target background:** Cytochrome P450 4F11 (CYP4F11) 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. CYP4F11 has catalytic properties towards endogenous eicosanoids as well as some clinically relevant drugs, including benzphetamine, ethylmorphine, chlorpromazine, imipramine and erythromycin. CYP4F11 is expressed in the liver, kidney, heart, brain, and skeletal muscle and is overexpressed in ovarian and colon cancers.

**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:** Zia et al. 2015. Int J Exp Pathol. 96(2):81-6. PMID: 25670065. ; CYP3A isoforms in Ewing's sarcoma tumours: an immunohistochemical study with clinical correlation. ; Downie et al. 2005. Clin Cancer Res. 11(20):7369-75. PMID: 16243809. ; Profiling cytochrome P450 expression in ovarian cancer: identification of prognostic markers. ; Kumarakulasingham et al. 2005. Clin Cancer Res. 11(10):3758-65. PMID: 15897573. ; Cytochrome p450 profile of colorectal cancer: identification of markers of prognosis.

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