

Anti-Cytochrome P450 46A1 [N8-P6E4*H8]

Catalogue number: 152600

Sub-type: Primary antibody

Images:

Contributor

Inventor: Ayham Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Cytochrome P450 46A1 [N8-P6E4*H8]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Cytochrome P450 46A1 belongs to the cytochrome P450 family which are a group of monooxygenases. Cytochrome P450 46A1 is involved in the turnover of cholesterol converting it into 24S-hydroxycholesterol and, to a lesser extent, 25-hydroxycholesterol. This protein is expressed in the brain and mRNA has been found to be broadly distributed with higher levels in the gray matter zones and lower levels in white matter areas. It is not detected in fetal brain but its expression increases linearly with age. It localises to the endoplasmic reticulum membrane and the microsome membrane. The unprocessed precursor is 500 amino acids long and has a predicted molecular weight of 56.8KD.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

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

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: WB - overexpression lysates

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Cytochrome P450, Family 46, Subfamily A, Polypeptide 1 (CYP46A1)

Target alternate names:

Target background: Cytochrome P450 46A1 belongs to the cytochrome P450 family which are a group of monooxygenases. Cytochrome P450 46A1 is involved in the turnover of cholesterol converting it into 24S-hydroxycholesterol and, to a lesser extent, 25-hydroxycholesterol. This protein is expressed in the brain and mRNA has been found to be broadly distributed with higher levels in the gray matter zones and lower levels in white matter areas. It is not detected in fetal brain but its expression increases linearly with age. It localises to the endoplasmic reticulum membrane and the microsome membrane. The unprocessed precursor is 500 amino acids long and has a predicted molecular weight of 56.8KD.

Molecular weight: 57 kDa

Ic50:

Applications

Application: IHC ; WB ; ELISA ; IHC ; 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: -20° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Characterisation of the oxysterol metabolising enzyme pathway in mismatch repair proficient and deficient colorectal cancer. ; Swan et al. 2016. Oncotarget. ∴ PMID: 27341022.

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