



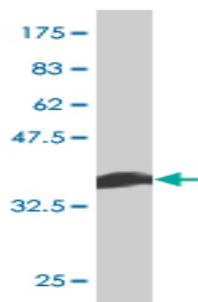
Mouse monoclonal antibody to human cytochrome P450 46A1 [1A11]: IgG

Catalogue No.:	M-821-100
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 56.8KDa.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Partial recombinant protein of human cytochrome P450 46A1 (amino acids 201 to 300) with a GST tag.
Clone:	1A11
Other Names:	Cholesterol 24-hydroxylase; CH24H; CYP46A1; CYP46
Accession:	Q9Y6A2_HUMAN
Produced in:	Mouse
Purity:	Protein G purified immunoglobulin
Applications:	This antibody is recommended for WB and direct and sandwich ELISA. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and ELISA against the antigen.
Cross-reactivity:	Other species have not yet been tested.
Form:	Lyophilised from PBS pH 7.2
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution keep aliquots at -20C for higher stability or at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for additional stability. Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY



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Western blot detection of partial recombinant human cytochrome P450 46A1 protein with GST tag, using mouse monoclonal antibody to human cytochrome P450 46A1 [1A11], catalogue number M-821-100. This antibody detects a band of molecular weight ~37KDa. Note the GST tag alone has a molecular weight of 26KDa.

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