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CYP4X1 Polyclonal Antibody

and liver (PubMed:16478468, PubMed:18549450). In the brain, high levels are detected in amygdala and lower levels in globus pallidus and cerebellum (PubMed:18549450). In the heart, very high levels in aorta, but very low levels in other heart regions (PubMed:16478468, PubMed:18549450). Also expressed in breast, prostate and colon (PubMed:18549450). Function Function Catalytic activity:RH + reduced flavoprotein + O(2) = ROH + oxidized flavoprotein + H(2)O.,cofactor:Heme group.,similarity:Belongs to the cytochrome P450 family. This gene encodes a member of the cytochrome P450 superfamily of enzymes and is located within a cluster of genes belonging to this superfamily on chromosome 1. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol steroids and other lipids. The expression pattern of a similar rat protein suggests		
Reactivity Human;Monkey Applications WB;IHC;IF;ELISA Gene Name CYP4X1 Protein Name Cytochrome P450 4X1 Immunogen The antiserum was produced against synthesized peptide derived from human Cytochrome P450 4X1. AA range:251-300 Specificity CYP4X1 Polyclonal Antibody detects endogenous levels of CYP4X1 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000. IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms CYP4X1; Cytochrome P450 4X1; CYPIVX1 Observed Band 50kD Cell Pathway Endoplasmic reticulum membrane; Single-pass membrane protein. Microsome membrane; Single-pass membrane protein. Tissue Specificity Expressed in brain, heart, kidney and skin and, at lower levels, in skeletal muscle and liver (PubMed:16478468, PubMed:18549450). In the brain, high levels are detected in amygdala and lower levels in globus pallidus and cerebellum (PubMed:18549450). In the heart, very high levels in aorta, but very low levels in breast, prostate and colon (PubMed:18549450). Also expressed in breast, prostate and colon (PubMed:18549450). Also expressed in breast, prostate and colon (PubMed:18549450). Also expressed in breast, prostate and colon (PubMed:18549450). The cytochrome P450 family. Background This gene encodes a member of the cytochrome P450 in antily on chromosome 1. The cytochrome P450 proteins are monoxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol steroids and other lipids. The expression pattern of a similar rat protein suggests that this protein may be involved in neurovascular function in the brain. Alternative that this protein may be involved in neurovascular function in the brain. Alternative	Catalog No	YP-Ab-02605
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Tissue Specificity Expressed in brain, heart, kidney and skin and, at lower levels, in skeletal muscle and liver (PubMed:16478468, PubMed:18549450). In the brain, high levels are detected in amygdala and lower levels in globus pallidus and cerebellum (PubMed:18549450). In the heart, very high levels in aorta, but very low levels in other heart regions (PubMed:16478468, PubMed:18549450). Also expressed in breast, prostate and colon (PubMed:18549450). Function Function Catalytic activity:RH + reduced flavoprotein + O(2) = ROH + oxidized flavoprotein + H(2)O.,cofactor:Heme group.,similarity:Belongs to the cytochrome P450 family. This gene encodes a member of the cytochrome P450 superfamily of enzymes and is located within a cluster of genes belonging to this superfamily on chromosome 1. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol steroids and other lipids. The expression pattern of a similar rat protein suggests that this protein may be involved in neurovascular function in the brain. Alternative	Observed Band	50kD
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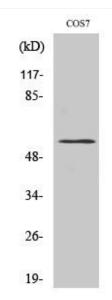
matters needing attention

Avoid repeated freezing and thawing!

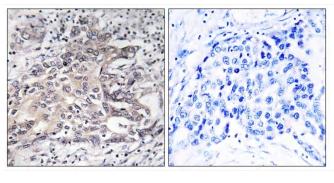
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CYP4X1 Polyclonal Antibody



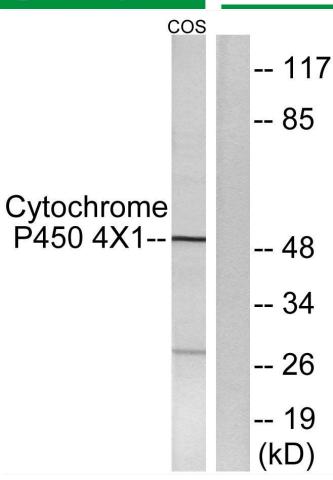
Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using Cytochrome P450 4X1 Antibody. The picture on the right is blocked with the synthesized peptide.



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Western blot analysis of lysates from COS7 cells, using Cytochrome P450 4X1 Antibody. The lane on the right is blocked with the synthesized peptide.