

CYP24A1 polyclonal antibody

Catalog: BS72042

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

P450 enzymes constitute a family of monooxygenase enzymes that are involved in the metabolism of a wide array of endogenous and xenobiotic compounds. P450 enzymes can be classified, based on their sequence similarities, into distinct subfamilies, which include CYP1A and CYP2A. The P450 family member, CYP19, catalyzes the conversion of C19 steroids to estrogens in various tissues, including placenta, gonads, adipose tissue, skin and brain. P450 cholesterol 7 α -hydroxylase, CYP7A1, is the rate limiting enzyme of bile acid synthesis in the liver, and its expression is mediated by the bile acid receptor FXR. CYP27A1 catalyzes vitamin D 25-hydroxylation and is localized to the mitochondria in kidney and liver. Over-expression of CYP24 (encoding vitamin D 24 hydroxylase) is likely to lead to abrogation of growth control mediated by vitamin D.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

105kDa

Swiss-Prot:

Q07973

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB 1:500 - 1:2000

IHC 1:50 - 1:200

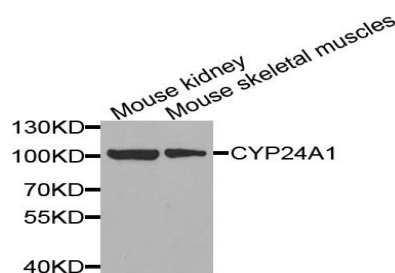
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

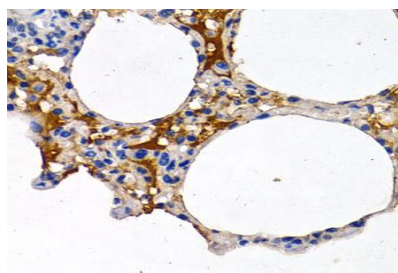
Specificity:

CYP24A1 polyclonal antibody detects endogenous levels of CYP24A1 protein.

DATA:



Western blot analysis of extracts of various cell lines, using CYP24A1 antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat lung using CYP24A1 antibody at dilution of 1:200 (40x lens).

Note:

For research use only, not for use in diagnostic procedure.

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