

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB10490 - Goat Anti-CYP24A1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 1,25-@dihydroxyvitamin D3 24-hydroxylase, 24-OHase, CP24, CYP24, cytochrome P450 family 24 subfamily A polypeptide 1, cytochrome P450, family 24, subfamily A, polypeptide 1, cytochrome P450, subfamily XXIV (vitami, MGC126273, MGC126274, P450-CC24, CYP24A1 Official Symbol: CYP24A1 Accession Number(s): NP_000773.2; NP_001122387.1 Human GeneID(s): <u>1591</u> Important Comments: This antibody is expected to recognize both reported isoforms (NP_000773.2; NP_001122387.1).

Immunogen

Peptide with sequence C-RKYDIQATDN, from the internal region of the protein sequence according to NP_000773.2; NP_001122387.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

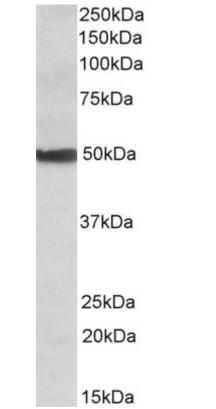
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

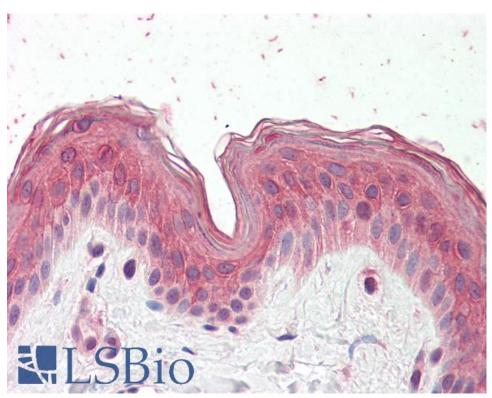
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 50kDa band observed in Human and Rat Liver lysates (calculated MW of 51.2kDa according to NP_001122387.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.
IHC: Paraffin embedded Human Skin. Recommended concentration: 3.75µg/ml.

Species Reactivity

Tested: Human, Rat Expected from sequence similarity: Human



EB10490 (0.1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB10490 (3.75µg/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.