

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB07194 - Goat Anti-CYP3A4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CYP3A4, cytochrome P450, family 3, subfamily A, polypeptide 4, HGNC:2637, CP33, CP34, CYP3A, CYP3A3, HLP, NF-25, P450C3, P450PCN1, P450-III, steroid inducible, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 3, cytochrome P450, subfamily IIIA (niphedipine oxidase), polypeptide 4, cytochrome P450, subfamily IIIA, polypeptide 4, glucocorticoid-inducible P450, nifedipine oxidase

Official Symbol: CYP3A4

Accession Number(s): NP_059488.2; NP_001189784.1

Human GenelD(s): 1576

Important Comments: This antibody is expected to recognise both reported isoforms (NP_059488.2; NP_001189784.1) and it is not expected to cross-react with 3A5, 3A7 ot 3A43.

Immunogen

Peptide with sequence C-KESRLEDTQKHR, from the internal region of the protein sequence according to NP_059488.2; NP_001189784.1.

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 1:8000.

IHC: Paraffin embedded Human Liver. Recommended concentration: 5-7µg/ml.

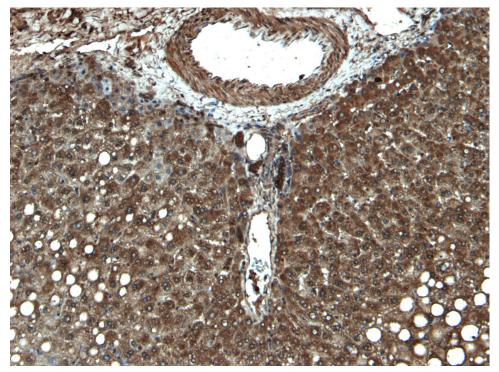
Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration:

10ug/ml.

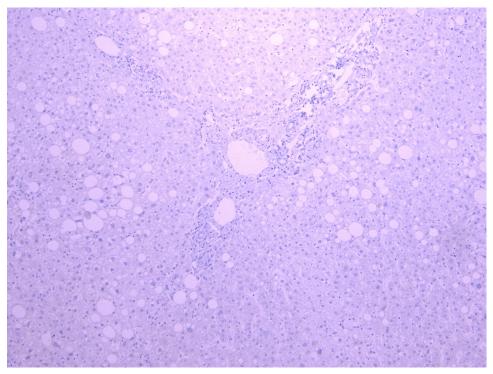
Species Reactivity

Tested: Human

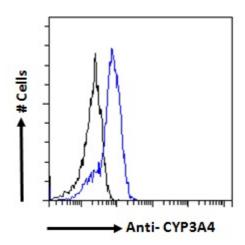
Expected from sequence similarity: Human



EB07194 (5µg/ml) staining of paraffin embedded Human Liver. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07194 Negative Control showing staining of paraffin embedded Human Liver, with no primary antibody.



EB07194 Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.