

## 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 (nifedipine oxidase), polypeptide 3, cytochrome P450, subfamily IIIA (nifedipine 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 GeneID(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 or 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.

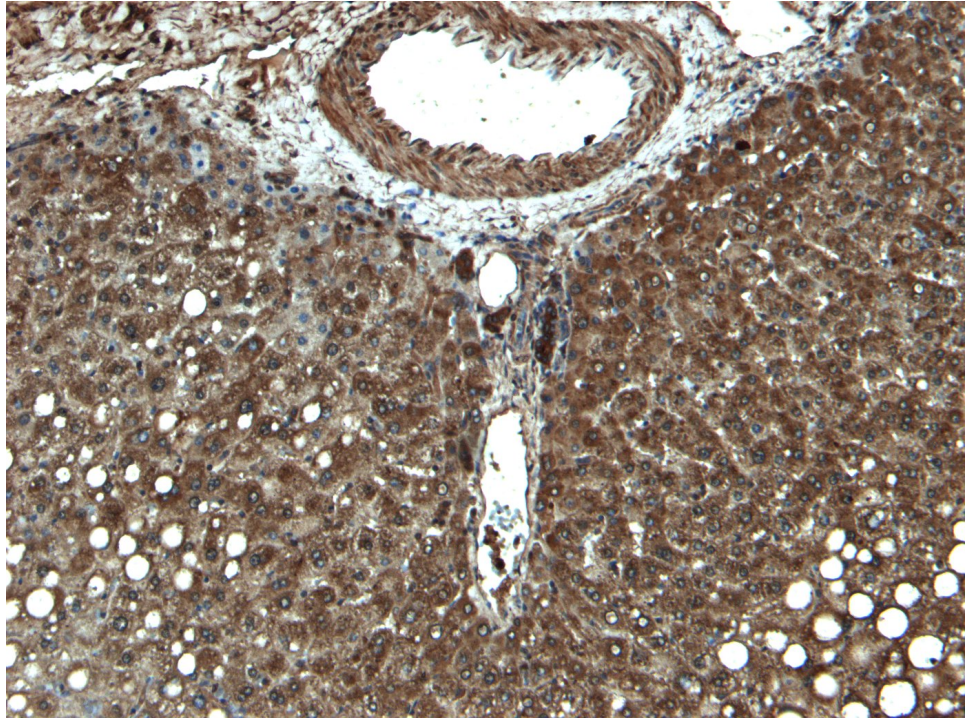
**IHC:** Paraffin embedded Human Liver. Recommended concentration: 5-7µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

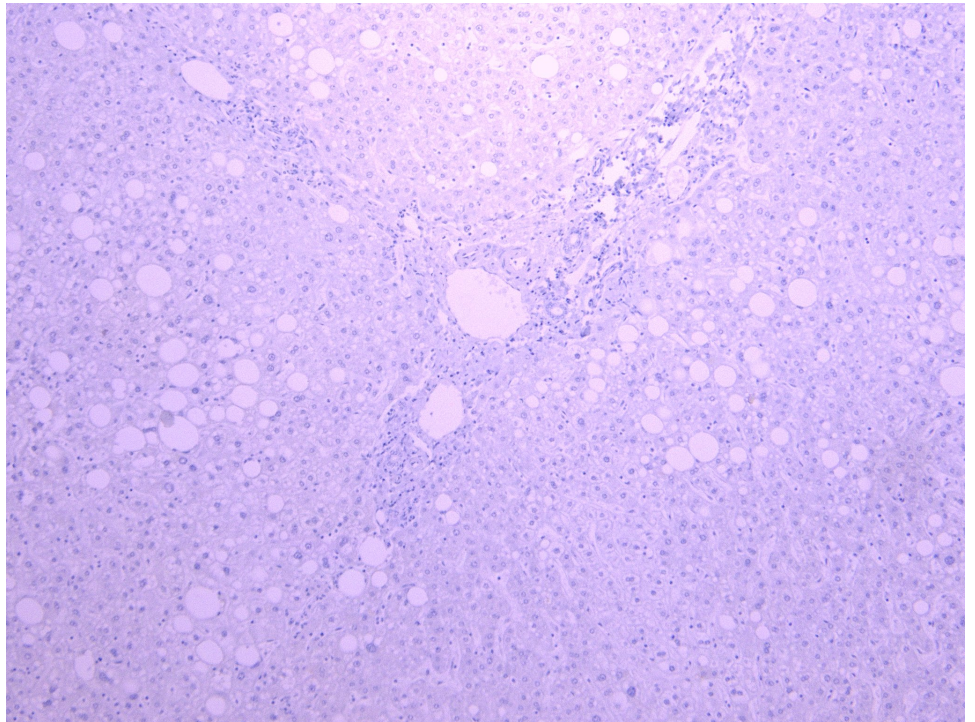
### Species Reactivity

**Tested:** Human

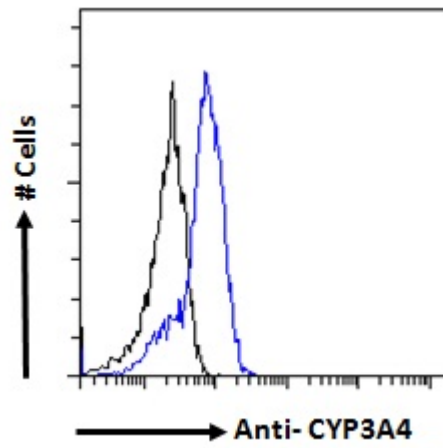
**Expected from sequence similarity:** Human



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.