

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

**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.

**Western blot:** Preliminary experiments gave an approx 26-27kDa band in human liver lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 57.3kDa according to NP\_059488.2. The 26-27kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human