



CYP3A4 Antibody

CATALOG NUMBER: 45-448

Specifications

SPECIES REACTIVITY:

TESTED APPLICATIONS: ELISA

APPLICATIONS: ELISA: antibody detection limit dilution 1:8000. Western Blot: Preliminary experiments gave an approx 26-27kDa band in human liver lysates after 0.3ug/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

SPECIFICITY: 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: CYP3A4 antibody was raised against a 12 amino acid synthetic peptide near the internal region of CYP3A4.

HOST SPECIES: Goat

Properties

PURIFICATION: CYP3A4 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

PHYSICAL STATE: Liquid

BUFFER: CYP3A4 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.

CONCENTRATION: 500 ug/mL

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

CLONALITY: Polyclonal

CONJUGATE: Unconjugated

Additional Info

ALTERNATE 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, subfamily IIIA (nifedipine oxidase), polypeptide 3, subfamily IIIA, glucocorticoid-inducible P450, nifedipine oxidase

ACCESSION NO.: NP_059488.2

PROTEIN GI NO.: 13435386

OFFICIAL SYMBOL: CYP3A4

GENE ID: 1576

Background

REFERENCES: 1) Choi MH, Skipper PL, Wishnok JS, Tannenbaum SR. Characterization of testosterone 11{beta}-hydroxylation catalyzed by human-liver microsomal cytochromes P450. Drug Metab Dispos. 2005 Mar 11;

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