

Datasheet for ABIN307112 **anti-CYP3A5 antibody (C-Term)**

3 Images



[Go to Product page](#)

Overview

Quantity:	200 µg
Target:	CYP3A5
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP3A5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with a synthetic peptide derived from the C-terminus of the human CYP3A5 protein and mouse myeloma Ag8563 cells.
Clone:	F18 P3 B6
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	CYP3A5, CYP450 3A5 (EC 1.14.14.1), Niphedipine oxidase, CYP11A5, P450-PCN3, HLP2, CYP3A genes encode monooxygenases, enzymes which catalyze drug metabolism and the synthesis of cholesterol, steroids and other lipids. CYP3A (cytochrome P450, family 3, subfamily A), the most abundant p450 enzyme in human liver, is responsible for the metabolism of more than 50 % of all clinical drugs. CYP3A members localize in organs that associate with drug

Product Details

disposition, including the liver, gastrointestinal tract and kidney. The CYP3A cluster consists of four genes: CYP3A43, CYP3A4, CYP3A7 and CYP3A5, and two pseudogenes: CYP3A5P1 and CYP3A5P2. The CYP3A cluster maps to gene locus 7q21.3-q22.1.

Purification: Protein A/G Chromatography

Target Details

Target: CYP3A5

Alternative Name: Cytochrome P450 3A5 ([CYP3A5 Products](#))

Pathways: [Steroid Hormone Biosynthesis](#)

Application Details

Application Notes: Antibody can be used for Western blotting (1-2 µg/mL) and immunohistochemistry on formalin-fixed, paraffin-embedded tissues (1-5 µg/mL). When used in conjunction with CYP3A7, can differentiate between the CYP3A family members, 3A5 and 3A7. Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

Handling

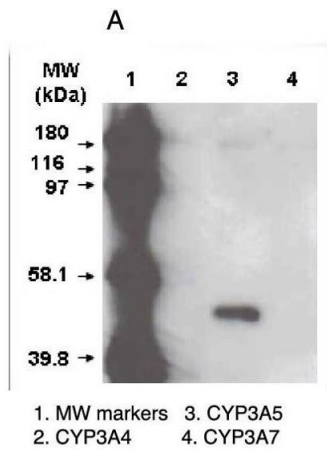
Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

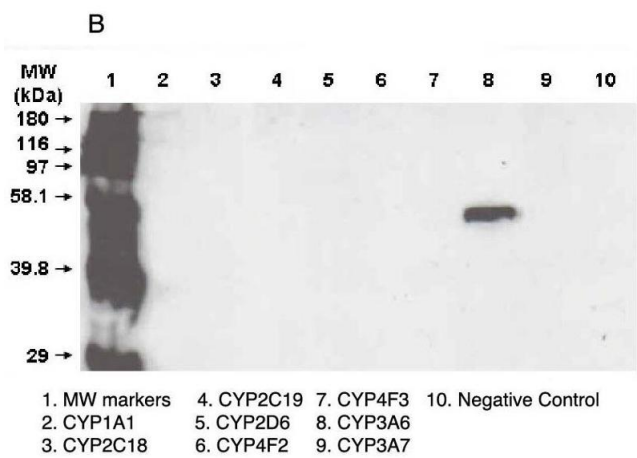
Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles



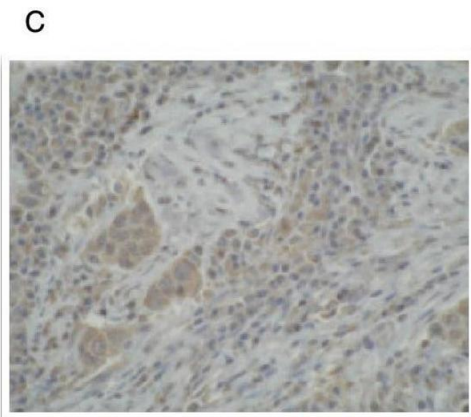
Western Blotting

Image 1. A. and B. Western blot using 3A5 antibody on recombinant CYP450 proteins.



Western Blotting

Image 2. A. and B. Western blot using 3A5 antibody on recombinant CYP450 proteins.



CYP3A5 expression in Esophageal Cancer by IHC

Immunohistochemistry

Image 3. C. Immunohistochemistry stain using 3A5 antibody on oesophagus cancer tissue.