

## Cytochrome P450 7A1 Ab

[References\(21\)](#) [Images\(7\)](#)

Cat.#: DF2612                      Concn.: ~1mg/ml                      Mol.Wt.: 58 kDa  
Size:                                      Source: Rabbit                      Clonality: Polyclonal

Application:                      WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500  
\*The optimal dilutions should be determined by the end user.

Reactivity:                      Human,Mouse,Rat

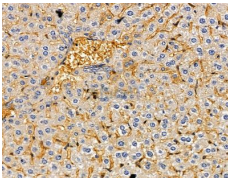
Storage:                              Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:                      The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

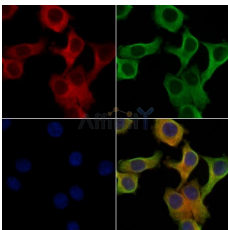
Immunogen:                      A synthesized peptide derived from human Cytochrome P450 7A1, corresponding to a region within the internal amino acids.

Uniprot:                              P22680

Description:                      Catalyzes a rate-limiting step in cholesterol catabolism and bile acid biosynthesis by introducing a hydrophilic moiety at position 7 of cholesterol. Important for cholesterol homeostasis.



DF2612 at 1/100 staining mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-rabbit Ab was used as the secondary Ab.



DF2612 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(DF2612) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.  
The nuclear counter stain is DAPI (blue).

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.



**Affinity Biosciences**

website:[www.affbiotech.com](http://www.affbiotech.com)

order:[order@affbiotech.com](mailto:order@affbiotech.com)

---

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.