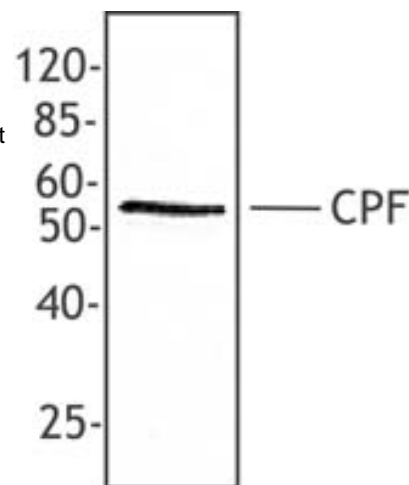


Purified anti-CPF

- Catalog # / Size:** 606602 / 200 µl (20 Western blots)
Clone: Poly6066
Isotype: Rabbit IgG
Immunogen: Peptide corresponding to amino acids 1-67 of human CPF, member 2, variant 2
Reactivity: Human
Preparation: The antibody was purified by antigen-affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Storage: Upon receipt, store frozen at -20° C.



Hela cell nuclear extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-CPF antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Description: CPF, also known as nuclear receptor subfamily 5 group A member 2, orphan nuclear receptor NR5A2, HB1F, fetoprotein transcription factor, FTF, CYP7A promoter binding factor, and LRH1 is a 54 kD nuclear receptor protein. CPF is a member of the FTZ-F1 sub-family and is highly expressed in the pancreas and to a lesser extent in the liver. CPF contains a DNA binding domain, a hormone ligand-binding domain, and two zinc finger domains and binds to DNA as a monomer. CPF is known to regulate transcription of the liver enzyme cholesterol 7-alpha-hydrolase that converts cholesterol to bile acids and to activate the hepatitis B virus enhancer II to contribute to the liver-specific expression of this virus. CPF interacts with multiprotein bridging actor 1 and the orphan nuclear receptor SHP and has been suggested to regulate pancreas-specific gene expression and play a role in embryonic development. There are at least 3 alternatively spliced isoforms of CPF; isoforms 1 and 2 are present in fetal and adult liver and in liver cancer cells such as HepG2. The Poly6066 recognizes human CPF (amino acids 1-67) and has been shown to be useful for Western blotting.

- Antigen References:**
1. Li M, *et al.* 1998. *J. Biol. Chem.* 273:29022.
 2. Nitta M, *et al.* 1999. *P. Natl. Acad. Sci. USA* 96:6660.
 3. Lee YK, *et al.* 2002. *J. Biol. Chem.* 277:2463.
 4. Zhang CK, *et al.* 2001. *Gene* 273:239.

Related Products: **Product**
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone
Poly4064

Application
ELISA, IHC, WB



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