

For Research Use Only

CYP26B1 Polyclonal antibody

Catalog Number: 21555-1-AP

Featured Product

15 Publications



Basic Information

| | | |
|--|---|--|
| Catalog Number: 21555-1-AP | GenBank Accession Number: BC069443 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 550 µg/ml by Nanodrop; | GeneID (NCBI): 56603 | Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:50-1:500 |
| Source: Rabbit | Full Name: cytochrome P450, family 26, subfamily B, polypeptide 1 | |
| Isotype: IgG | Calculated MW: 512 aa, 58 kDa | |
| Immunogen Catalog Number: AG15368 | Observed MW: 49-58 kDa | |

Applications

| | |
|---|---|
| Tested Applications: IF, IHC, IP, WB, ELISA | Positive Controls: WB: HeLa cells, human brain tissue, LO2 cells IP: LO2 cells, IHC: human hepatocirrhosis tissue, human heart tissue IF: HepG2 cells, |
| Cited Applications: IF, IHC, WB | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, rat, mouse | |

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CYP26B1(Cytochrome P450 26B1) is involved in the metabolism of retinoic acid (RA), rendering this classical morphogen inactive through oxidation. It has 3 isoforms produced by alternative splicing. Cyp26b1 deficiency induces pronounced apoptosis in the developing limb and delayed chondrocyte maturation (PMID:15030763). Defects in CYP26B1 are the cause of radiohumeral fusions with other skeletal and craniofacial anomalies (RHFA).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------------------|-----------|----------------|-------------|
| Marta U Wotoszynowska-Fraser | 34417282 | eNeuro | WB |
| Hande Login | 26446231 | J Neurosci | IF |
| Nadia Y Edelsztein | 31755607 | Mol Reprod Dev | WB,IHC |

Storage

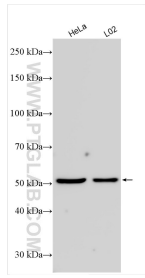
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

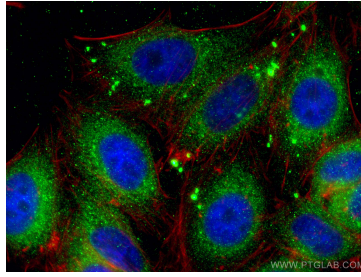
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

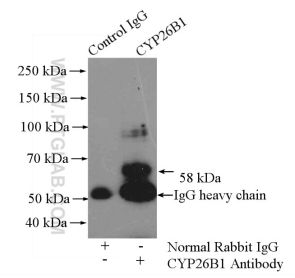
Selected Validation Data



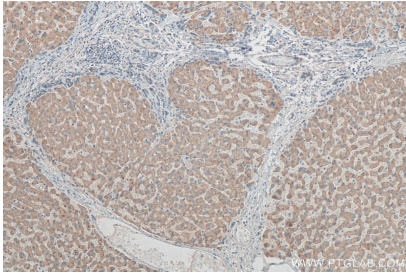
Various lysates were subjected to SDS PAGE followed by western blot with 21555-1-AP (CYP26B1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



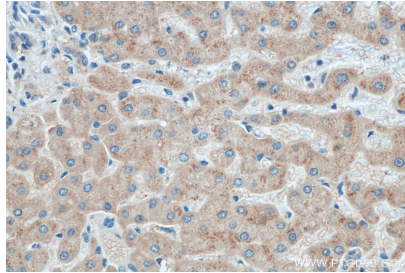
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CYP26B1 antibody (21555-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



IP Result of anti-CYP26B1 (IP:21555-1-AP, 4 μ g; Detection:21555-1-AP 1:500) with L02 cells lysate 2400 μ g.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 21555-1-AP (CYP26B1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 21555-1-AP (CYP26B1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).