

For Research Use Only

# Chordin Polyclonal antibody

Catalog Number: 27293-1-AP



## Basic Information

<b>Catalog Number:</b> 27293-1-AP	<b>GenBank Accession Number:</b> BC112345	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8646	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> chordin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 955 aa, 102 kDa	
<b>Immunogen Catalog Number:</b> AG26001	<b>Observed MW:</b> 102 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : 3T3-L1 cells, IHC : human liver cancer tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	

**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

CHRD is a secreted protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta-like bone morphogenetic proteins and sequestering them in latent complexes. CHRD may also have roles in organogenesis and during adulthood. It has been suggested that CHRD could be a candidate gene for Cornelia de Lange syndrome. Reduced expression of CHRD results in enhanced bone regeneration.

## 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

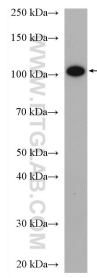
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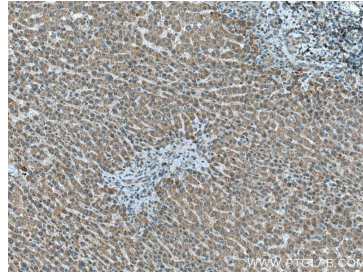
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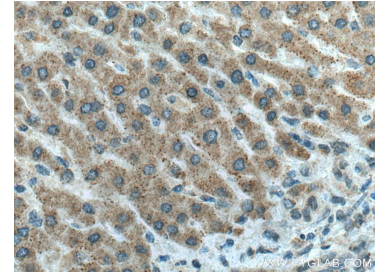
## Selected Validation Data



3T3-L1 cells were subjected to SDS PAGE followed by western blot with 27293-1-AP (CHRD antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27293-1-AP (Chordin 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 liver cancer tissue slide using 27293-1-AP (Chordin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).