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CHPF Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9046c

Specification

CHPF Antibody (Center) - Product Information

Application	**FC, IHC-P, WB,E**
Primary Accession	Q8IZ52
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**85467**
Antigen Region	**327-354**

CHPF Antibody (Center) - Additional Information

Gene ID 79586

Other Names
Chondroitin sulfate synthase 2, Chondroitin glucuronyltransferase 2, Chondroitin-polymerizing factor, ChPF, Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase II, N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase II, N-acetylgalactosaminyltransferase 2, CHPF, CSS2

Target/Specificity
This CHPF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 327-354 amino acids from the Central region of human CHPF.

Dilution
FC~~1:10~50
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CHPF Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CHPF Antibody (Center) - Protein Information

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Name CHPF (HGNC:24291)

Synonyms CSS2

Function Has both beta-1,3-glucuronic acid and beta-1,4-N- acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N-acetylgalactosamine (GalNAc) from UDP- GalNAc to the non-reducing end of the elongating chondroitin polymer. Seems to act as a specific activating factor for CHSY1 in chondroitin polymerization (PubMed:12716890).

Cellular Location
[Isoform 1]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cytoplasm, cytosol [Isoform 2]: Mitochondrion matrix

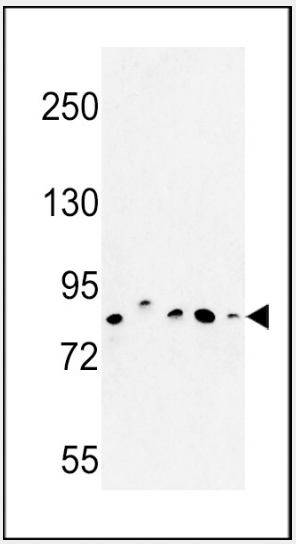
Tissue Location
Ubiquitous. Highly expressed in pancreas, ovary, brain, heart, skeletal muscle, colon, kidney, liver, stomach, spleen and placenta. [Isoform 3]: Also ubiquitous.

CHPF Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CHPF Antibody (Center) - Images



Western blot analysis of CHPF Antibody (Center) (Cat. #AP9046c) in MDA-MB435, MCF-7, HepG2, A375 cell line and mouse testis tissue lysates (35ug/lane). CHPF (arrow) was detected using the purified Pab.

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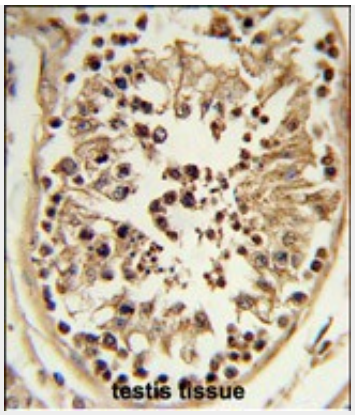
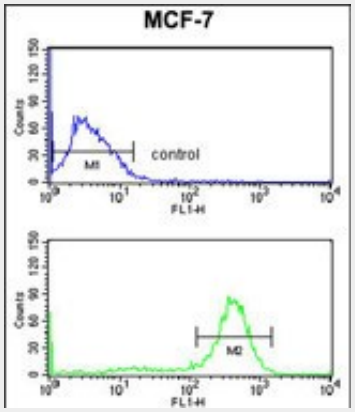


Formalin-fixed and paraffin-embedded human testis tissue reacted with CHPF Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



CHPF Antibody (Center) (Cat. #AP9046c) flow cytometry analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CHPF Antibody (Center) - Background

CHPF is a protein that has both beta-1,3-glucuronic acid and beta-1,4-N-acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N-acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of the elongating chondroitin polymer.

CHPF Antibody (Center) - References

Matsuoka,S., et.al., Science 316 (5828), 1160-1166 (2007)
Colland,F., et.al., Genome Res. 14 (7), 1324-1332 (2004)