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Product datasheet for AP50902PU-N

CHPF (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	This antibody is suitable for flow cytometry, immunohistochemistry on paraffin sections and Western blotting. The suggested dilution is: **Flow cytometry**: 1/10-1/50. **Immunohistochemistry on paraffin sections**: 1/50-1/100. **Western blotting**: 1/100-1/500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the center region of human Chondroitin sulfate synthase 2/CHPF.
Specificity:	This antibody detects Chondroitin sulfate synthase 2/CHPF.
Formulation:	PBS with 0.09% (W/V) Sodium Azide. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a protein A column; followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	chondroitin polymerizing factor
Database Link:	Entrez Gene 74241 MouseEntrez Gene 79586 Human Q8IZ52

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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.

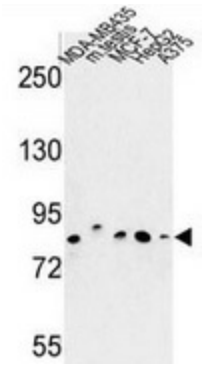
Synonyms: CHPF, CSS2

Note: **Molecular Weight:** 85495 Da

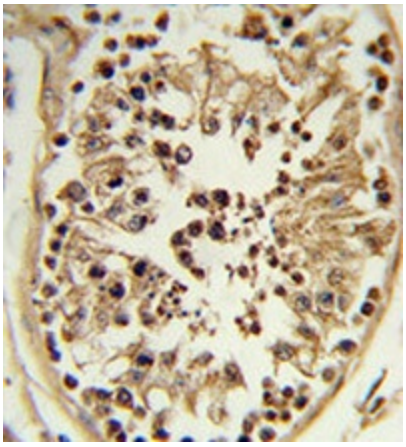
Protein Families: Druggable Genome

Protein Pathways: Chondroitin sulfate biosynthesis, Metabolic pathways

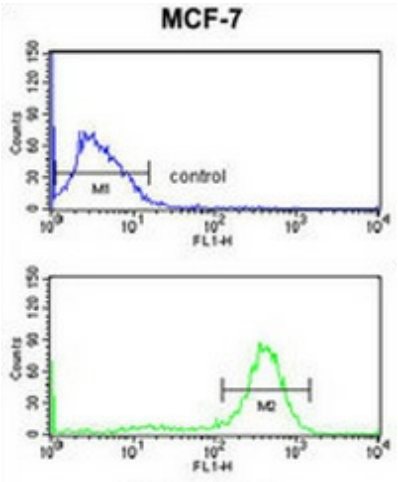
Product images:



Western blot analysis of CHPF (arrow) in MDA-MB435, MCF-7, HepG2, A375 cell line and mouse testis tissue lysates (35ug/lane) using Chondroitin sulfate synthase 2 antibody.



Immunohistochemistry analysis of human testis tissue (formalin-fixed, paraffin-embedded) using Chondroitin sulfate synthase 2 antibody., which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for IHC; clinical relevance has not been evaluated.



Flow cytometry analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram) using Chondroitin sulfate synthase 2 antibody., followed by FITC-conjugated goat-anti-rabbit secondary antibodies.