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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.<br>The suggested dilution is:<br>**Flow cytometry**: 1/10-1/50.<br>**Immunohistochemistry on paraffin sections**: 1/50-1/100.<br>**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.<br>State: Aff - Purified<br>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.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | Homo sapiens chondroitin polymerizing factor (CHPF), transcript variant 2 |
| **Database Link:** | Entrez Gene 74241 MouseEntrez Gene 79586 Human<br>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.

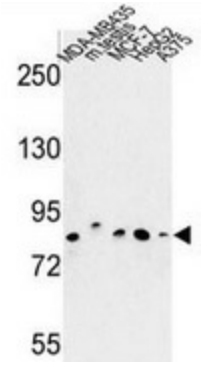
**Synonyms:** CHPF, CSS2

**Note:** **Molecular Weight:** 85495 Da

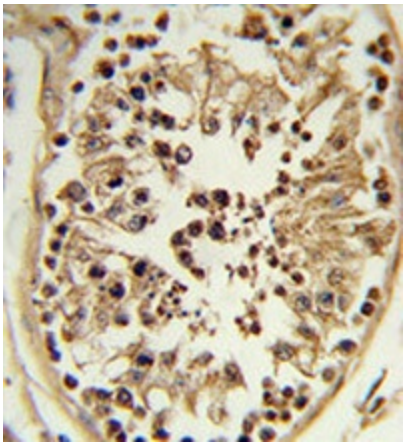
**Protein Families:** Druggable Genome

**Protein Pathways:** Chondroitin sulfate biosynthesis, Metabolic pathways

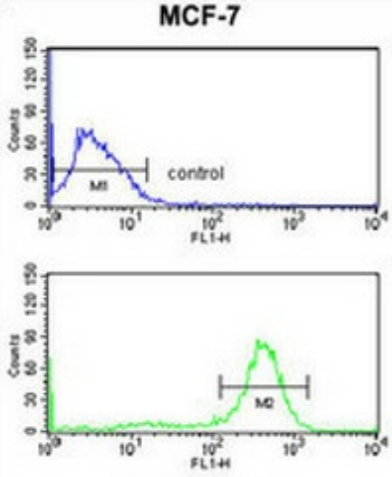
## Product images:




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.