

产品名称: CHSY2 Rabbit Polyclonal Antibody
产品货号: APRab08798



产品概述 (Summary)

产品名称 (Production Name)	CHSY2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CHPF
别名 (Alternative Names)	CHPF; CSS2; Chondroitin sulfate synthase 2; Chondroitin glucuronyltransferase 2; Chondroitin-polymerizing factor; ChPF; Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase II; N-acetylgalactosaminyl-pro
基因 ID (Gene ID)	79586.0
蛋白 ID (SwissProt ID)	Q8IZ52.The antiserum was produced against synthesized peptide derived from human CHSY2. AA range:631-680

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
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蛋白分子量 (Molecular Weight) 85kDa

研究背景 (Background)

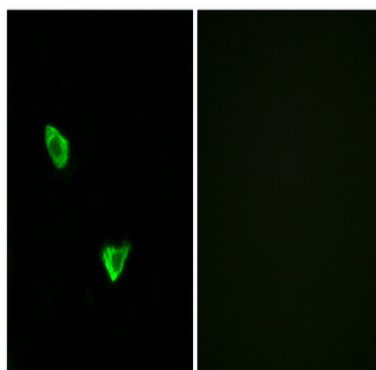
catalytic activity:UDP-alpha-D-glucuronate + N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl-proteoglycan = UDP + beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl-proteoglycan.,catalytic activity:UDP-N-acetyl-D-galactosamine + beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminyl-proteoglycan = UDP + N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminyl-proteoglycan.,cofactor:Divalent cations. Highest activities are measured with manganese. Can also utilize cobalt.,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.,online information:GlycoGene database,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the chondroitin N-acetylgalactosaminyltransferase family.,subunit:Bounds CHSY1.,tissue specificity:Ubiquitous. Highly expressed in pancreas, ovary, brain, heart, skeletal muscle, colon, kidney, liver, stomach, small intestine and placenta.,catalytic activity:UDP-alpha-D-glucuronate + N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl-proteoglycan = UDP + beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl-proteoglycan.,catalytic activity:UDP-N-acetyl-D-galactosamine + beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminyl-proteoglycan = UDP + N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminyl-proteoglycan.,cofactor:Divalent cations. Highest activities are measured with manganese. Can also utilize cobalt.,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.,online information:GlycoGene database,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the chondroitin N-acetylgalactosaminyltransferase family.,subunit:Bounds CHSY1.,tissue specificity:Ubiquitous. Highly expressed in pancreas, ovary, brain, heart, skeletal muscle, colon, kidney, liver, stomach, small intestine and placenta.,

研究领域 (Research Area)

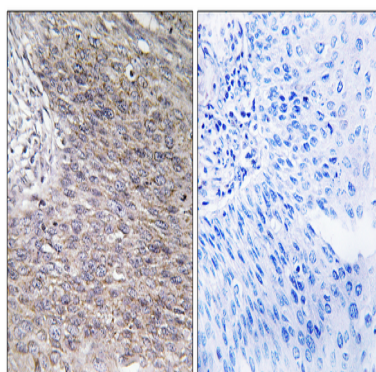
Chondroitin sulfate biosynthesis;

图片 (Image Data)

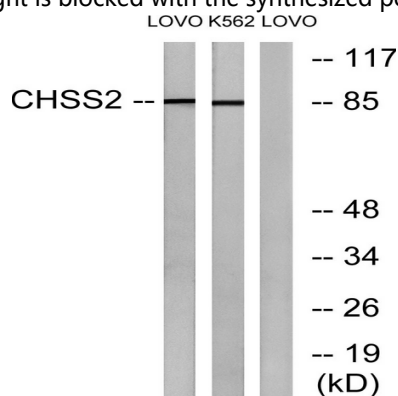
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Immunofluorescence analysis of MCF7 cells, using CHSY2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human cervix carcinoma tissue, using CHSY2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO and K562 cells, using CHSY2 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .