



CHSY2 Polyclonal Antibody

Catalog No	BYab-18945
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CHPF
Protein Name	Chondroitin sulfate synthase 2
Immunogen	The antiserum was produced against synthesized peptide derived from human CHSY2. AA range:631-680
Specificity	CHSY2 Polyclonal Antibody detects endogenous levels of CHSY2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	85kD
Cell Pathway	[Isoform 1]: Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein . Cytoplasm, cytosol .; [Isoform 3]: Cytoplasm, cytosol . Mitochondrion .; [Isoform 2]: Mitochondrion matrix .
Tissue Specificity	Ubiquitous. Highly expressed in pancreas, ovary, brain, heart, skeletal muscle, colon, kidney, liver, stomach, spleen and placenta. ; [Isoform 2]: Expressed in brain, spleen, ovary, testis, lung and peripheral mononuclear cells. ; [Isoform 3]: Also ubiquitous.
Function	catalytic activity:UDP-alpha-D-glucuronate + N-acetyl-beta-D-galactosaminyl-(1->4)-beta-D-glucuronosyl-proteoglycan = UDP +

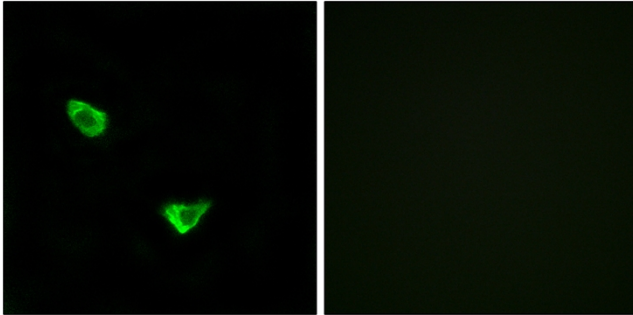
Nanjing BYabs science technology Co.,Ltd



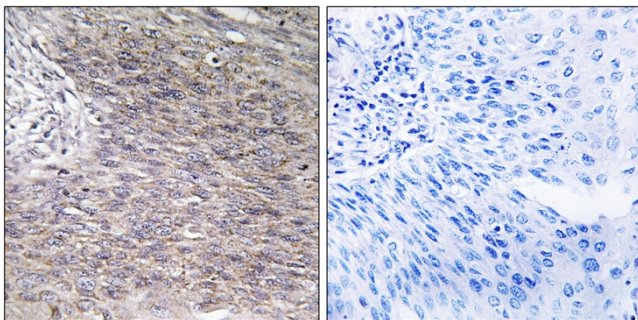
	beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminy-(1->4)-beta-D-glucuronosyl-proteoglycan.,catalytic activity:UDP-N-acetyl-D-galactosamine + beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminy-(1->4)-beta-D-glucuronosyl-proteoglycan = UDP + N-acetyl-beta-D-galactosaminy-(1->4)-beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminy-(1->4)-beta-D-glucuronosyl-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, p
Background	catalytic activity:UDP-alpha-D-glucuronate + N-acetyl-beta-D-galactosaminy-(1->4)-beta-D-glucuronosyl-proteoglycan = UDP + beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminy-(1->4)-beta-D-glucuronosyl-proteoglycan.,catalytic activity:UDP-N-acetyl-D-galactosamine + beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminy-(1->4)-beta-D-glucuronosyl-proteoglycan = UDP + N-acetyl-beta-D-galactosaminy-(1->4)-beta-D-glucuronosyl-(1->3)-N-acetyl-beta-D-galactosaminy-(1->4)-beta-D-glucuronosyl-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-acetylgalactosaminytransferase family.,subunit:Bindes CHSY1.,tissue specificity:Ubiquitous. Highly expressed in pancreas, ovary, brain, heart, skeletal muscle, colon, kidney, liver, stomach, small intestine and placenta.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



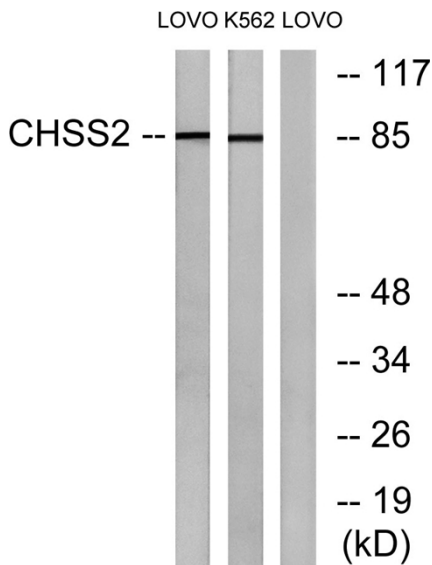
Products Images



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.