



CHSS3 Polyclonal Antibody

Catalog No	YP-Ab-05463
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CHSY3 CHSY2 CSS3
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CHSS3 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Carbohydrate synthase 2;chondroitin sulfate synthase 3;Chondroitin synthase 2; ChSy 2;CHSY2;CHSS3;CHSY3 CHSY2 CSS3;Chondroitin sulfate synthase 3 (EC 2.4.1.175) (EC 2.4.1.226) (Carbohydrate synthase 2) (Chondroitin glucuronyltransferase 3) (Chondroitin synthase 2) (ChSy-2) (Glucuronosyl-N-acetyl-galactosaminyl-prot
Observed Band	100 kDa
Calculated Molecular Weight	882 aa, 100 kDa
Cell Pathway	Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein .
Tissue Specificity	Detected at low levels in brain, cerebral cortex, uterus and small intestine.
Function	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-glucur onosyl-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 cobalt, manganese and cadmium.,function:Has both beta-1,3-glucuronic acid and beta-1,4-N-acetyl-galactosamine 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. Specific activity is much reduced compared to CHSY1., online information:Chondroi

Background

CSS3 is a glycosyltransferase that has both glucuronyltransferase and N-acetylgalactosaminyltransferase activities (Yada et al., 2003 [PubMed 12907687]).[supplied by OMIM, Mar 2008],

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