

Rabbit CHSY2 Polyclonal Antibody | anti-CHSY2 antibody

CHSY2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324612	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CHSY2; Polyclonal Antibody; CHSY2 Antibody; Chondroitin glucuronyltransferase II; Chondroitin polymerizing factor; Chondroitin sulfate synthase 2; CHPF; CSS2; Glucuronosyl N acetylgalactosaminyl proteoglycan 4 beta N acetylgalactosaminyltransferase II; N acetylgalactosaminyl proteoglycan 3 beta glucuronosyltransferase II; anti-CHSY2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CHSY2 antibody detects endogenous levels of total CHSY2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	613
Applicable Applications for anti-CHSY2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus, Golgi Stack Membrane; Single Pass Type II Membrane Protein.
Tissue Specificity	Ubiquitous. Highly expressed in pancreas, ovary, brain, heart, skeletal muscle, colon, kidney, liver, stomach, spleen and placenta. Isoform 3 is also ubiquitous. Isoform 2 is expressed in brain, spleen, ovary, testis, lung and peripheral mononuclear cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (100%), Bovine (100%), Horse (91%), Sheep (100%), Rabbit (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from LOVO cells using CHSS2 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA324612 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA324612 staining LOVO cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHSY2 antibody

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. Isoform 2 may facilitate PRKN transport into the mitochondria. In collaboration with PRKN, isoform 2 may enhance cell viability and protect cells from oxidative stress. Subunit Structure: Binds CHSY1. Isoform 1, isoform 2 and isoform 3 interact with PRKN. Similarity: Belongs to the chondroitin N-acetylgalactosaminyltransferase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	307691169
NCBI GeneID	79586
NCBI Accession #	NP_001182660.1
NCBI GenBank Nucleotide #	NM_001195731.1
UniProt Accession #	Q8IZ52; Q6UXD6; Q7L4G1; Q9H0F8; Q9H618; B4DXU0
Molecular Weight	Observed: 85 kD Predicted: 86 kDa
NCBI Official Full Name	chondroitin sulfate synthase 2 isoform 2
NCBI Official Synonym Full Names	chondroitin polymerizing factor
NCBI Official Symbol	CHPF
NCBI Official Synonym Symbols	CSS2; CHSY2
NCBI Protein Information	chondroitin sulfate synthase 2
UniProt Protein Name	Chondroitin sulfate synthase 2
UniProt Gene Name	CHPF
UniProt Synonym Gene Names	CSS2; ChPF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

