ARG55089
anti-CHSY3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CHSY3
Tested Reactivity	Hu, Ms
Predict Reactivity	Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CHSY3
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 295-329 (Center) of Human CHSY3.
Conjugation	Un-conjugated
Alternate Names	CSS3; N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase 3; CHSY2; Carbohydrate synthase 2; Chondroitin sulfate synthase 3; Chondroitin synthase 2; ChSy-2; Chondroitin glucuronyltransferase 3; EC 2.4.1.175; Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase II; N-acetylgalactosaminyltransferase 3; EC 2.4.1.226

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: A549

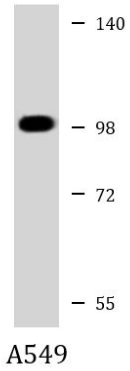
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 337876 Human GeneID: 78923 Mouse Swiss-port # Q5DTK1 Mouse Swiss-port # Q70JA7 Human
Gene Symbol	CHSY3
Gene Full Name	chondroitin sulfate synthase 3
Background	CSS3 is a glycosyltransferase that has both glucuronyltransferase and N-acetylgalactosaminyltransferase activities (Yada et al., 2003 [PubMed 12907687]).[supplied by OMIM, Mar 2008]
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. Specific activity is much reduced compared to CHSY1. [UniProt]
Research Area	Cancer antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	100 kDa
Cellular Localization	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein

Images



ARG55089 anti-CHSY3 antibody WB image

Western blot: 20 µg of A549 cell lysate stained with ARG55089 anti-CHSY3 antibody at 1:1000 dilution.