

Anti-Human/Mouse CHSY1 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA02806**

3th Edition

Description: This gene encodes a member of the chondroitin N-acetylgalactosaminyltransferase family. These enzymes possess dual glucuronyltransferase and galactosaminyltransferase activity and play critical roles in the biosynthesis of chondroitin sulfate, a glycosaminoglycan involved in many biological processes including cell proliferation and morphogenesis. Decreased expression of this gene may play a role in colorectal cancer, and mutations in this gene are a cause of temtamy preaxial brachydactyly syndrome. CHSY1 (Chondroitin Sulfate Synthase 1) is a Protein Coding gene. Diseases associated with CHSY1 include Temtamy Preaxial Brachydactyly Syndrome and Brachydactyly. Among its related pathways are Chondroitin sulfate/dermatan sulfate metabolism and Glycosaminoglycan metabolism. GO annotations related to this gene include transferase activity, transferring glycosyl groups and glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase activity. An important paralog of this gene is CHSY3.

Antigen: Synthesized peptide derived from the Internal region of human CHSY1

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Ubiquitous, with the highest levels in placenta. Detected at low levels in brain, heart, skeletal muscle, colon, thymus, spleen, kidney, liver, adrenal gland, mammary gland, stomach, small intestine, lung and peripheral blood leukocytes.