bs-13944R **[Primary Antibody]**

CHSY2/3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 337876 **SWISS:** Q70JA7

Target: CHSY2/3

Immunogen: KLH conjugated synthetic peptide derived from human CHSY2/3: 401-500/882.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: CSS3 is a glycosyltransferase that has both glucuronyltransferase and N-acetylgalactosaminyltransferase activities (Yada et al., 2003 [PubMed 12907687]).[supplied by OMIM, Mar 2008
Chondroitin sulfate synthases (CHSYs) synthesize chondroitin sulfate, a glycosaminoglycan expressed on the surface of most cells and in extracellular matrices. Glycosaminoglycan chains are covalently linked to various of core protein families and regulate many biologic processes, including extracellular matrix deposition, cell proliferation and recognition, and morphogenesis. The CHSY family includes CHSY1, CHSY2 and CHSY3. CHSY1 and CHSY3 display both glucuronyltransferase and N-acetylgalactosaminyltransferase activities, while CHSY2 is required for chondroitin polymerizing activity. CHSY2 localizes to the Golgi apparatus and is expressed ubiquitously, with highest expression observed in the pancreas, ovary, brain, heart, skeletal muscle, colon, kidney, liver, stomach, small intestine and placenta.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Cow, Dog, Horse)

Predicted MW.: 100 kDa

Subcellular Location: Cytoplasm

SELECTED CITATIONS

- **[IF=7.4]** Huang Xinkun. et al. CHSY3 promotes proliferation and migration in gastric cancer and is associated with immune infiltration. J TRANSL MED. 2023 Dec;21(1):1-20 IHC ;Human. 37461041