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Anti-CHSY2 Antibody

Catalog # AP60115

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q8IZ52
Reactivity	Human, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85467

Additional Information

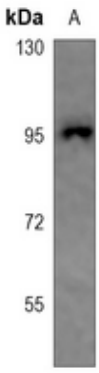
Gene ID	79586
Other Names	CSS2; Chondroitin sulfate synthase 2; Chondroitin glucuronyltransferase 2; Chondroitin-polymerizing factor; ChPF; Glucuronosyl-N-acetylgalactosaminyl-proteoglycan 4-beta-N-acetylgalactosaminyltransferase II; N-acetylgalactosaminyl-proteoglycan 3-beta-glucuronosyltransferase II; N-acetylgalactosaminyltransferase 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CHSY2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

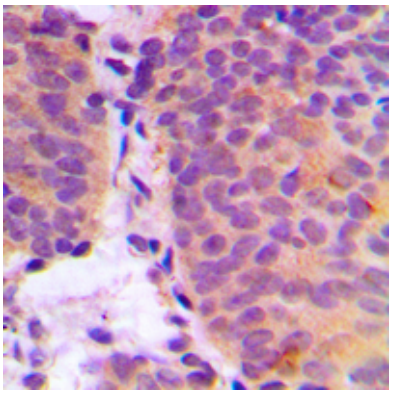
Name	CHPF (HGNC:24291)
Function	Non-catalytic component of CHSY1-CHPF2 and CHSY3-CHPF2 chondroitin sulfate synthase complexes. CHPF associates with catalytically active chondroitin synthases (CHSY1/3) within heterodimeric complexes. Plays an essential role for the formation of a stable and functional chondroitin sulfate polymerase complexes.
Cellular Location	[Isoform 1]: Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Cytoplasm, cytosol [Isoform 2]: Mitochondrion matrix
Tissue Location	Ubiquitous. Highly expressed in pancreas, ovary, brain, heart, skeletal muscle,

colon, kidney, liver, stomach, spleen and placenta. [Isoform 3]: Also ubiquitous.

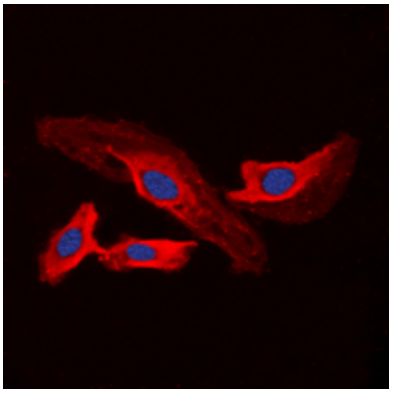
Images



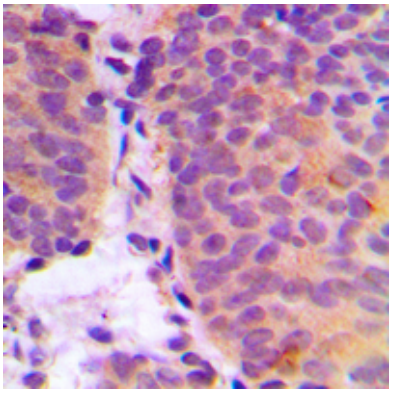
Western blot analysis of CHSY2 expression in DLD (A) whole cell lysates. (Predicted band size: 85 kD; Observed band size: 95 kD)



Immunohistochemical analysis of CHSY2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CHSY2 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of CHSY2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.