CHST3 Monoclonal Antibody

Catalog No	YP-mAb-05421
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CHST3
Protein Name	Carbohydrate sulfotransferase 3 (EC 2.8.2.17) (Chondroitin 6-O-sulfotransferase 1) (C6ST-1) (Chondroitin 6-sulfotransferase) (Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 0)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CHST3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	52kD
Cell Pathway	Golgi apparatus membrane ; Single-pass type II membrane protein .
Tissue Specificity	Widely expressed in adult tissues. Expressed in heart, placenta, skeletal muscle and pancreas. Also expressed in various immune tissues such as spleen, lymph node, thymus and appendix.
Function	catalytic activity:3'-phosphoadenylyl sulfate + chondroitin = adenosine 3',5'-bisphosphate + chondroitin 6'-sulfate.,disease:Defects in CHST3 are a cause of humerospinal dysostosis (HSD) [MIM:143095]. HSD is characterized by bifurcation of the ends of the humerus, subluxation in the elbow joints, widened iliac bones, talipes equinovarus and coronal cleft vertebrae. Congenital, progressive heart disease, possibly with fatal outcome, is observed in some patients.,disease:Defects in CHST3 are the cause of spondyloepiphyseal dysplasia Omani type (SED Omani type) [MIM:608637]. SED Omani type is an autosomal recessive disorder characterized by normal length at birth but severely reduced adult height (110-130 cm), severe progressive kyphoscoliosis, arthritic changes with joint dislocations, genu valgum, cubitus valgus, mild brachydactyly, camptodactyly, microdontia and normal intelligence. As a

Background	This gene encodes an enzyme which catalyzes the sulfation of chondroitin, a proteoglycan found in the extracellular matrix and most cells which is involved in cell migration and differentiation. Mutations in this gene are associated with spondylepiphyseal dysplasia and humerospinal dysostosis. [provided by RefSeq, Mar 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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