Best Tools for immunology Research

IDUA Polyclonal Antibody

Catalog No :	YN2045
Reactivity :	Human,Mouse
Applications :	WB,ELISA
Gene Name :	IDUA
Protein Name :	Alpha-L-iduronidase (EC 3.2.1.76)
Human Gene Id :	3425
Human Swiss Prot No :	P35475
Mouse Swiss Prot No :	P48441
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	IDUA Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-20°C/1 year
Observed Band :	71
Cell Pathway :	Glycosaminoglycan degradation,Lysosome,

Background : iduronidase, alpha-L-(IDUA) Homo sapiens This gene encodes an enzyme that hydrolyzes the terminal alpha-L-iduronic acid residues of two glycosaminoglycans, dermatan sulfate and heparan sulfate. This hydrolysis is required for the lysosomal degradation of these glycosaminoglycans. Mutations in this gene that result in enzymatic deficiency lead to the autosomal recessive disease mucopolysaccharidosis type I (MPS I). [provided by RefSeq, Jul 2008],

Function : catalytic activity:Hydrolysis of unsulfated alpha-L-iduronosidic linkages in dermatan sulfate.,disease:Defects in IDUA are the cause of mucopolysaccharidosis type 1H (MPS1H) [MIM:607014]; also known as Hurler syndrome. MPS1H is a severe form of mucopolysaccharidosis type 1, a rare lysosomal storage disease characterized by progressive physical deterioration with urinary excretion of dermatan sulfate and heparan sulfate. Patients with MPS1H usually present, within the first year of life, a combination of hepatosplenomegaly, skeletal deformities, corneal clouding and severe mental retardation. Obstructive airways disease, respiratory infection and cardiac complications usually result in death before 10 years of age.,disease:Defects in IDUA are the cause of mucopolysaccharidosis type 1H/S (MPS1H/S) [MIM:607015]; also known as Hurler-Scheie syndrome. MPS1H/S is a form of mucopolysaccharidosi

Subcellular Location : coated vesicle,lysosomal lumen,extracellular exosome,

Expression : Brain,Liver,

Products Images