IDUA Polyclonal Antibody

Catalog No	YP-Ab-06908
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	IDUA
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,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Alpha L iduronidase;IDA;IDUA;iduronidase;alpha L;MPS1;Alpha-L-iduronidase (EC 3.2.1.76)
Observed Band	73 kDa
Calculated Molecular Weight	73 kDa
Cell Pathway	Lysosome.
Tissue Specificity	Ubiquitous.
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
Background	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],
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.

Products Images