

Rabbit anti-Human IDUA Polyclonal Antibody | anti-IDUA antibody

IDUA Antibody (Center)

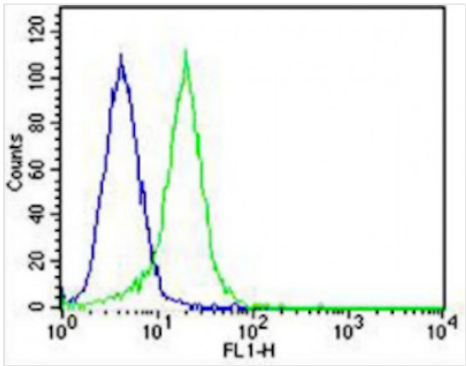
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28788	Rabbit	Human	Western Blot, ELISA, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

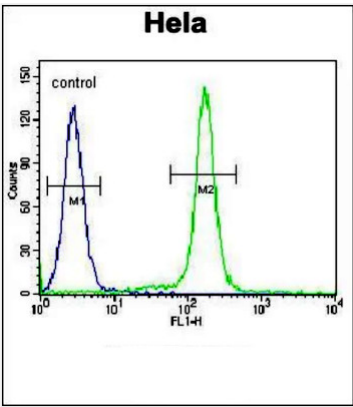
IDUA; Polyclonal Antibody; IDUA Antibody (Center); Alpha-L-iduronidase; anti-IDUA antibody

PRODUCT SPECIFICATIONS

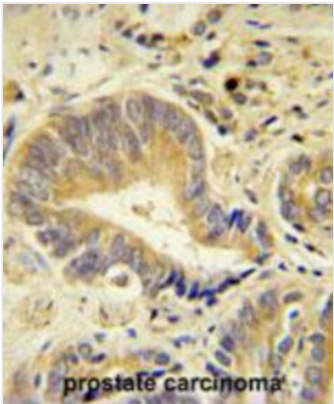
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This IDUA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-264 amino acids from the Central region of human IDUA.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration	Cellular Location Lysosome!!Tissue Location Ubiquitous. (varies by lot)
Sequence Positions	236-264
Sequence Length	675
Applicable Applications for anti-IDUA antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB~~1:2000 IHC-P~~1:50~100 FC~~1:25
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



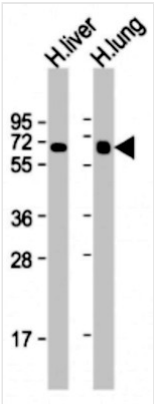
FCM (Flow Cytometry)
Overlay histogram showing HeLa cells stained with AAA28788 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA28788, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was Rabbit IgG (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



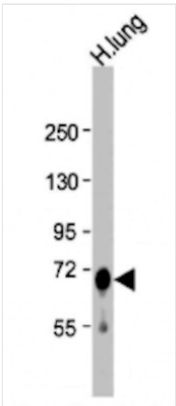
FCM (Flow Cytometry)
Overlay histogram showing HepG2 cells stained with AAA28788 (red line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA28788, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



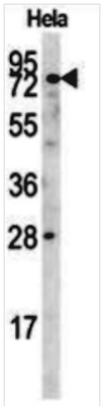
IHC (Immunohistochemistry)
IDUA Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IDUA Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
All lanes : Anti-IDUA Antibody (Center) at 1:2000 dilution Lane 1: human liver lysates Lane 2: human lung lysates Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 73 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
Anti-IDUA Antibody (Center) at 1:1000 dilution + human lung lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 73 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
IDUA Antibody (Center) western blot analysis in HeLa cell line lysates (35ug/lane).This demonstrates the IDUA antibody detected the IDUA protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-IDUA antibody	IDUA 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.
Product Categories/Family for anti-IDUA antibody	Metabolism; Signal Transduction
References	Amr, K., et al. Genet Test Mol Biomarkers 13(6):761-764(2009) Vazna, A., et al. Am. J. Med. Genet. A 149A (5), 965-974 (2009) Sugawara, K., et al. J. Hum. Genet. 53(5):467-474(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611239
NCBI GeneID	3425
NCBI Accession #	NP_000194.2
NCBI GenBank Nucleotide #	NM_000203.4
UniProt Accession #	P35475; B3KWK6
NCBI Official Full Name	alpha-L-iduronidase
NCBI Official Synonym Full Names	iduronidase, alpha-L-
NCBI Official Symbol	IDUA
NCBI Official Synonym Symbols	IDA; MPS1
NCBI Protein Information	alpha-L-iduronidase
UniProt Protein Name	Alpha-L-iduronidase
UniProt Gene Name	IDUA
UniProt Entry Name	IDUA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/idua-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/28788>