ARG44438
anti-IDUA antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IDUA
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IDUA
Species	Human
Immunogen	Human IDUA recombinant protein
Conjugation	Un-conjugated
Alternate Names	IDUA; Alpha-L-Iduronidase; MPS1; MPSI; Mucopolysaccharidosis Type I

Application Instructions

Application table

Application	Dilution
FACS	1-3 µg/1x10^6 cells
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

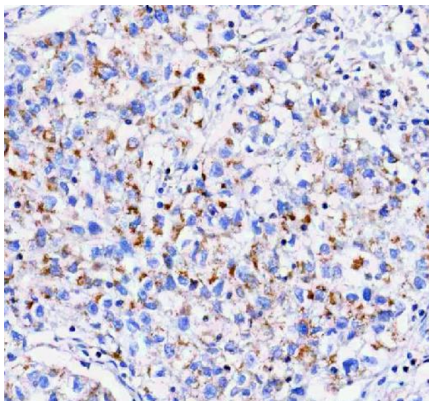
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

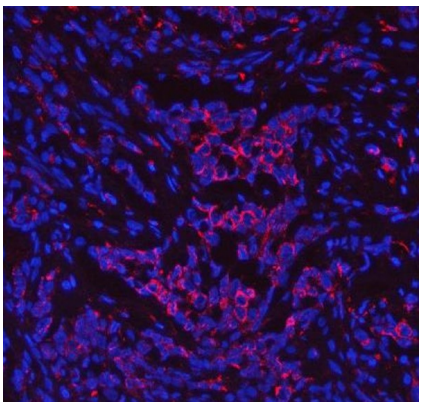
Gene Symbol	IDUA
Gene Full Name	Alpha-L-Iduronidase
Background	This gene encodes an enzyme that hydrolyzes the terminal alpha-L-iduronic acid residues of two glycosaminoglycans, dermatan sulfate and heparan sulfate. This hydrolysis is required for the lysosomal degradation of these glycosaminoglycans. Mutations in this gene that result in enzymatic deficiency lead to the autosomal recessive disease mucopolysaccharidosis type I (MPS I).
Function	Hydrolysis of unsulfated alpha-L-iduronosidic linkages in dermatan sulfate.
Calculated Mw	73 kDa
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Lysosome

Images



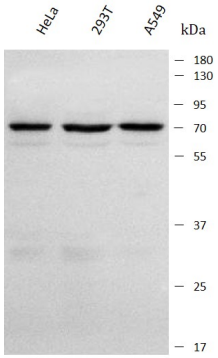
ARG44438 anti-IDUA antibody IHC-P image

Immunohistochemistry: Human lung cancer stained with ARG44438 anti-IDUA antibody at 2 µg/mL dilution.



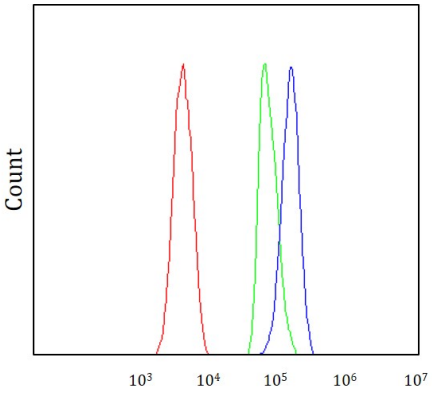
ARG44438 anti-IDUA antibody IHC-P image

Immunohistochemistry: Human lung cancer stained with ARG44438 anti-IDUA antibody at 5 µg/mL dilution.



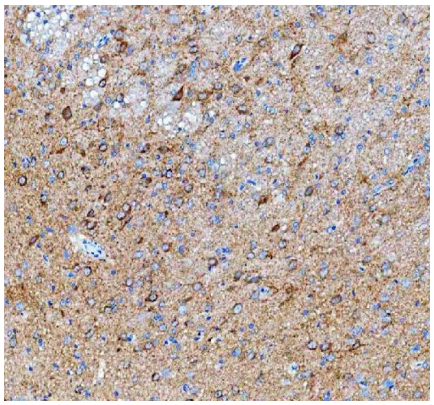
ARG44438 anti-IDUA antibody WB image

Western blot: HeLa, 293T and A549 stained with ARG44438 anti-IDUA antibody at 0.5 µg/mL dilution.



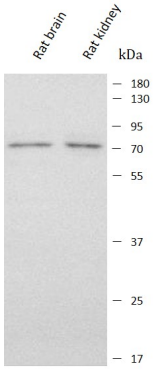
ARG44438 anti-IDUA antibody FACS image

Flow Cytometry: SH-SY5Y stained with ARG44438 anti-IDUA antibody at 1 µg/10^6 cells dilution.



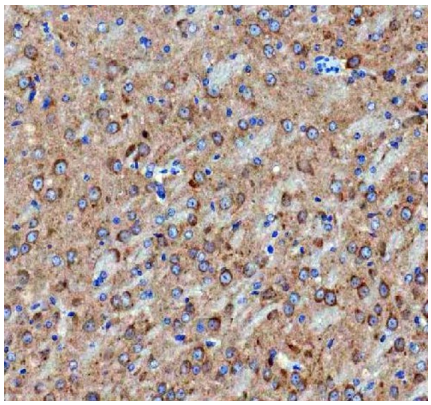
ARG44438 anti-IDUA antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG44438 anti-IDUA antibody at 2 µg/mL dilution.



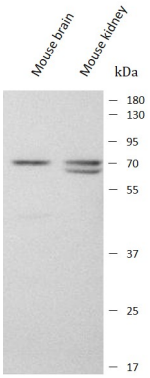
ARG44438 anti-IDUA antibody WB image

Western blot: Rat brain and Rat kidney stained with ARG44438 anti-IDUA antibody at 0.5 µg/mL dilution.



ARG44438 anti-IDUA antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG44438 anti-IDUA antibody at 2 µg/mL dilution.



ARG44438 anti-IDUA antibody WB image

Western blot: Mouse brain and Mouse kidney stained with ARG44438 anti-IDUA antibody at 0.5 µg/mL dilution.