ARG59744
anti-HYAL1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HYAL1
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HYAL1
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 32-47 of Human HYAL1. (FTTVWNANTQWCLERH)
Conjugation	Un-conjugated
Alternate Names	LUCA1; Lung carcinoma protein 1; EC 3.2.1.35; NAT6; Hyal-1; LuCa-1; HYAL-1; Hyaluronoglucosaminidase-1; Hyaluronidase-1; MPS9

Application Instructions

Application table

Application	Dilution
ICC/IF	0.5 - 1 µg/ml
IHC-Fr	0.5 - 1 µg/ml
IHC-P	0.5 - 1 µg/ml
WB	0.1 - 0.5 µg/ml

Application Note: IHC-P: Antigen Retrieval: By heat mediation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

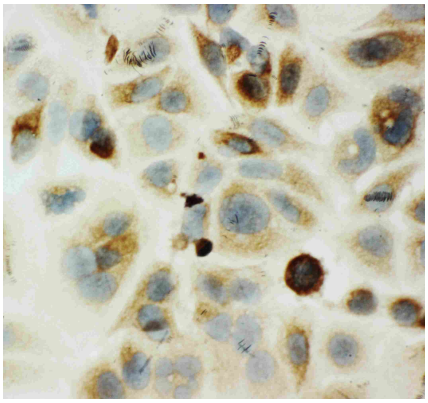
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody 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

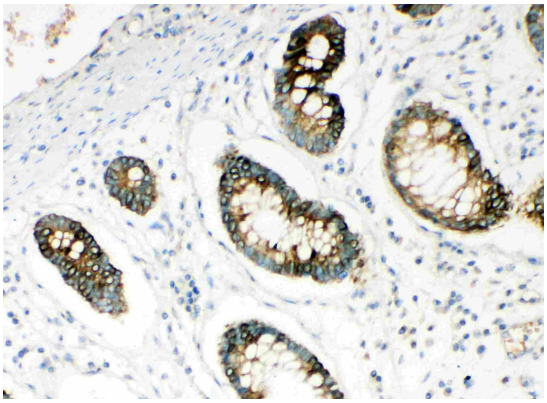
Gene Symbol	HYAL1
Gene Full Name	hyaluronoglucosaminidase 1
Background	This gene encodes a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	May have a role in promoting tumor progression. May block the TGFB1-enhanced cell growth. [UniProt]
Calculated Mw	48 kDa
Cellular Localization	Secreted. Lysosome. [UniProt]

Images



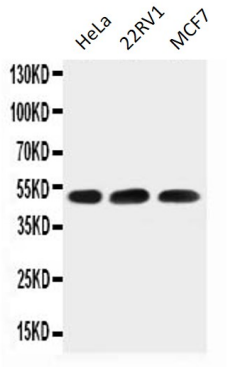
ARG59744 anti-HYAL1 antibody ICC image

Immunocytochemistry: MCF7 cells stained with ARG59744 anti-HYAL1 antibody.



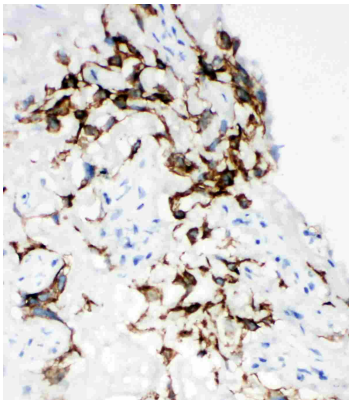
ARG59744 anti-HYAL1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue stained with ARG59744 anti-HYAL1 antibody.



ARG59744 anti-HYAL1 antibody WB image

Western blot: HeLa, 22RV1 and MCF7 cell lysates stained with ARG59744 anti-HYAL1 antibody.



ARG59744 anti-HYAL1 antibody IHC-Fr image

Immunohistochemistry: Frozen section of Human placenta stained with ARG59744 anti-HYAL1 antibody.