BT LAB
Bioassay Technology Laboratory
Optimize Your Research

HAS1 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0662
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human HAS1 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Hyaluronan synthase 1
Synonyms	0

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Hyaluronan or hyaluronic acid (HA) is a high molecular weight unbranched polysaccharide synthesized by a wide variety of organisms from bacteria to mammals, and is a constituent of the extracellular matrix. It consists of alternating glucuronic acid and N-acetylglucosamine residues that are linked by beta-1-3 and beta-1-4 glycosidic bonds. HA is synthesized by membrane-bound synthase at the inner surface of the plasma membrane, and the chains are extruded through pore-like structures into the extracellular space. It serves a variety of functions, including space filling, lubrication of joints, and provision of a matrix through which cells can migrate. HA is actively produced during wound healing and tissue repair to provide a framework for ingrowth of blood vessels and fibroblasts. Changes in the serum concentration of HA are associated with inflammatory and degenerative arthropathies such as rheuma
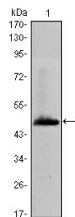
Recommended Dilution

ELISA: 1:10000
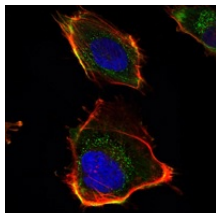
IF: 1:200 - 1:1000

WB: 1:500 - 1:2000

Not yet tested in other applications.

Images

Western Blot analysis using HAS1 Monoclonal antibody against recombinant protein of human HAS1 (aa70-243).

Immunofluorescence analysis of U251 cells using HAS1 Monoclonal antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

Storage

-20°C for one year