HAS2 monoclonal antibody

Catalog: MB67169	Host: Mouse	Reactivity: Human

BackGround:

HAS1, HAS2 and HAS3 are HA synthase proteins that synthesize HA (hyaluro nan or hyaluronic acid). The extracellular matrix in most vertebrates expres HA, which is a high molecular weight linear polysaccharide composed of alter nating glucuronic acid and N-acetylglucosamine residues linked by β-1,3 andβ-1,4 glycosidic bonds. The three HAS genes show distinct patterns of expres sion during development and their protein products play significantly different roles in the formation of the HA matrix. Both HAS1 and HAS2 synthesise high molecular-weight HA, whereas HAS3 produces lower molecular weight HA. The expression of the three HAS isoforms is more prominent in growing cells than in resting cells and is differentially regulated by various stimuli suggest ing distinct functional roles of the three proteins. HAS2 mRNA shows pre dominant expression in chondrocytes and cartilage. The human HAS2 gene maps to chromosome 8q24.13

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 68 kDa

Swiss-Prot:

Q92819

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/4000)

Storage&Stability:

Store at 4 ℃ short term. Aliquot and store at -20 ℃ long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of HAS2 protein.

DATA:

Western blot analysis of HAS2 expression in SW620 (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.