

## HAS2 monoclonal antibody

Catalog: MB21665

Host: Mouse

Reactivity: Human, Mouse, Rat, Monkey

### 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 rheumatoid arthritis. In addition, the interaction of HA with the leukocyte receptor CD44 is important in tissue-specific homing by leukocytes, and overexpression of HA receptors has been correlated with tumor metastasis. HAS2 is a member of the newly identified vertebrate gene family encoding putative hyaluronan synthases, and its amino acid sequence shows significant homology to glycosaminoglycan synthetase (DG42) from *Xenopus laevis*, and human and murine hyaluronan synthase 1.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

63.5kDa

### Swiss-Prot:

Q92819

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immuno-

gen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1/500 - 1/2000 IHC: 1/200 - 1/1000 IF: 1/100 - 1/500

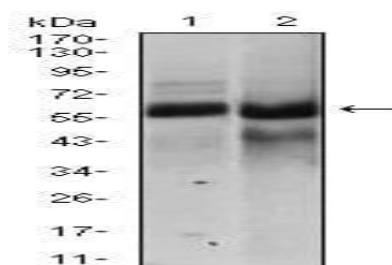
### Storage&Stability:

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

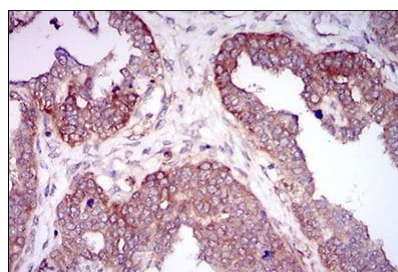
### Isotype:

Mouse IgG1

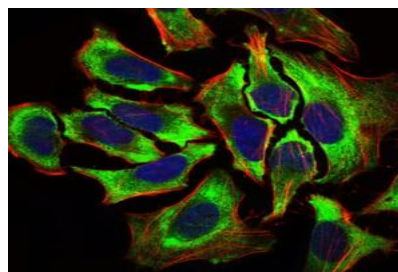
### DATA:



Western blot analysis using HAS2 mouse mAb against NTERA-2 (1), HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using HAS2 mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using HAS2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

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been labeled with Alexa Fluor-555 phalloidin.

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

Note:

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