

Product datasheet for **TA351240**

Hyaluronan synthase 1 (HAS1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human prostate tissue lysate IHC: 25-50 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HAS1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	hyaluronan synthase 1
Database Link:	NP_001514 Entrez Gene 3036 Human Q92839



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Background:

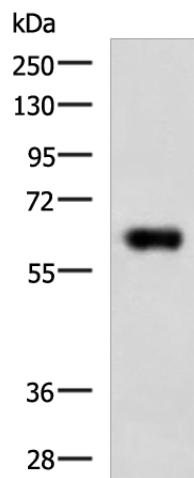
Hyaluronan or hyaluronic acid (HA) is a high molecular weight unbranched polysaccharide synthesized by a wide variety of organisms from bacteria to mammals, and is a constituent of the extracellular matrix. It consists of alternating glucuronic acid and N-acetylglucosamine residues that are linked by 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.

Synonyms:

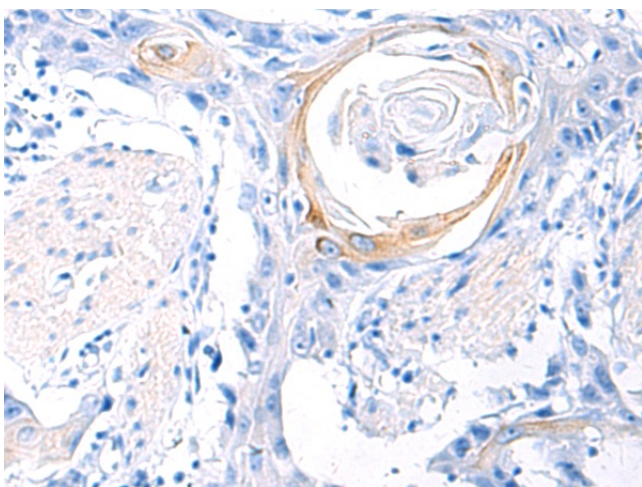
HAS

Protein Families:

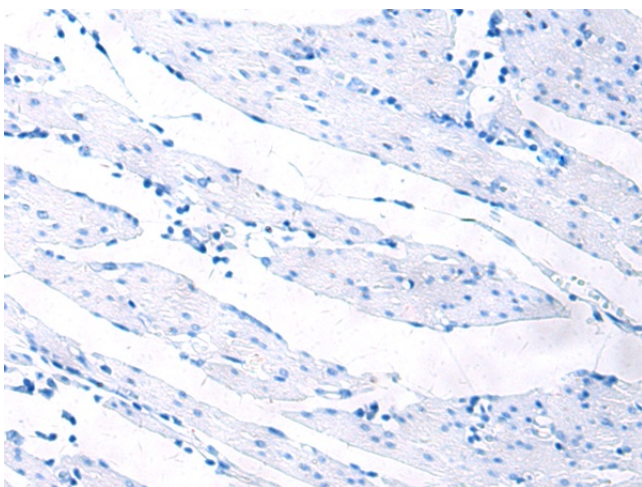
Druggable Genome, Transmembrane

Product images:

Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: Human prostate tissue lysate
Primary antibody: TA351240 (HAS1 Antibody) at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA351240 (HAS1 Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA351240 (HAS1 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: $\times 200$)