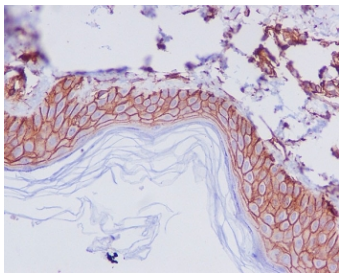
CD44 Antibody [clone AGI-3] (RQ5462)

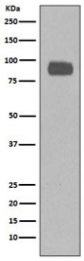
Catalog No.	Formulation	Size
RQ5462	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AGI-3
Purity	Affinity purified
UniProt	P16070
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:50-1:200
Limitations	This CD44 antibody is available for research use only.



IHC staining of FFPE human skin with CD44 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Western blot testing of human TF-1 cell lysate with CD44 antibody. Predicted molecular weight ~81 kDa.

Description

The protein encoded by the CD44 gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis. [RefSeq]

Application Notes

Optimal dilution of the CD44 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human CD44 was used as the immunogen for the CD44 antibody.

Storage

Store the CD44 antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com