CD44 Antibody Polyclonal Antibody

catalog number: **AN100005P**

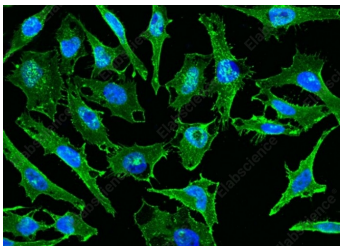
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

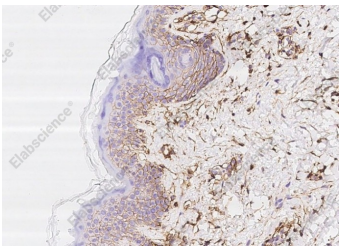
Reactivity	Human
Immunogen	Recombinant Human CD44 Protein
Host	Rabbit
Isotype	Rabbit IgG
Purification	Protein A & Antigen Affinity
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IHC-P	1:1000-1:10000
ICC/IF	1:100-1:500
IP	1-5 μL/mg of lysate

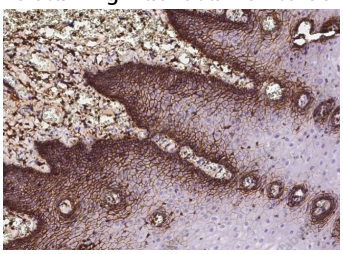
Data

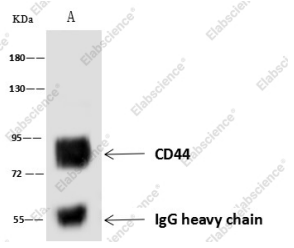


Immunofluorescence analysis of CD44 in Hela cells. Cells were fixed with 4% PFA,blocked with 10% serum, and incubated with rabbit anti-Human CD44 polyclonal antibody (dilution ratio 1:200) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI for nuclear staining (blue).Positive staining was localized to Cell membrane.

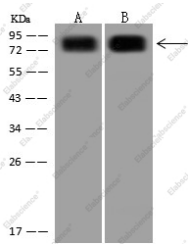


Immunohistochemistry of paraffin-embedded human skin using CD44 Antibody Polyclonal Antibody at dilution of 1:10000.





Immunohistochemistry of paraffin-embedded human esophagus using CD44 Antibody Polyclonal Antibody at dilution of 1:10000.



Western Blot with CD44 Antibody Polyclonal Antibody at dilution of 1:500. Lane A: TF-1 Whole Cell Lysate, Lane B: HL60 Whole Cell Lysate, Lane C: HeLa Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:81 kDa

Calculated-MW:81 kDa

Immunoprecipitation analysis using 4 µL anti-CD44 rabbit polyclonal antibody and 60 µg of Immunomagnetic beads Protein A/G. Western blot was performed from the immunoprecipitate using CD44 rabbit polyclonal antibody at a dilution of 1:100. Lane A:0.5 mg HeLa Whole Cell Lysate

Observed-MW:81 kDa

Calculated-MW:81 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

CD44 is a 80-95 kD glycoprotein also known as Hermes, Pgp1, H-CAM, or HUTCH. It is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. As B and T cells become activated or progress to the memory stage, CD44 expression increases from a low or mid level of intensity to high expression levels. Thus, CD44 has been reported to be a valuable marker for memory cell subsets. CD44 is an adhesion molecule involved in leukocyte attachment to and rolling on endothelial cells, homing to peripheral lymphoid organs and to the sites of inflammatio n, and leukocyte aggregation.