ELK Biotechnology

CD44 (phospho Ser706) rabbit pAb

Cat No.:ES8071

For research use only

Overview

Product Name	CD44 (phospho Ser706) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CD44 around the phosphorylation site of Ser706. AA range:681-730
Specificity	Phospho-CD44 (S706) Polyclonal Antibody detects endogenous levels of CD44 protein only when phosphorylated at S706.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	CD44 antigen
Gene Name	CD44
Cellular localization	Cell membrane ; Single-pass type I membrane protein . Cell projection, microvillus . Colocalizes with actin in membrane protrusions at wounding edges. Co-localizes with RDX, EZR and MSN in microvilli. Localizes to cholesterol-rich membrane-bound lipid raf
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	90kD
Human Gene ID	960
Human Swiss-Prot Number	P16070
Alternative Names	CD44; LHR; MDU2; MDU3; MIC4; CD44 antigen; CDw44; Epican; Extracellular matrix receptor III;

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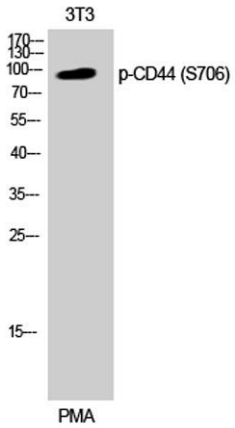
ECMR-III; GP90 lymphocyte homing/adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycopr

Background

The protein encoded by this 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. [provided by RefSeq, Jul 2008],



Western Blot analysis of 3T3 cells using Phospho-CD44 (S706) Polyclonal Antibody

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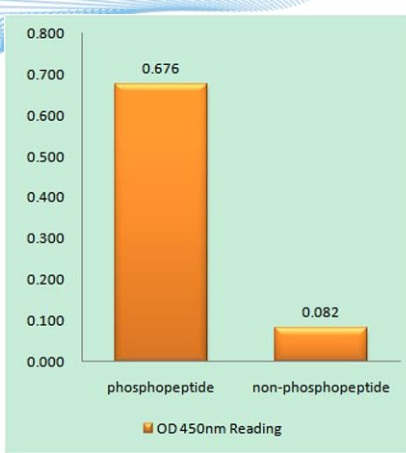
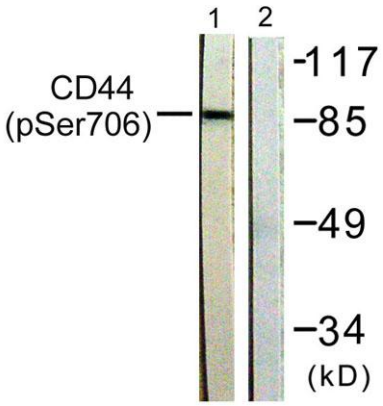


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CD44 (Phospho-Ser706) Antibody



Western blot analysis of lysates from NIH/3T3 cells treated with PMA 250ng/ml 5', using CD44 (Phospho-Ser706) Antibody. The lane on the right is blocked with the phospho peptide.

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