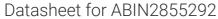
antibodies -online.com







anti-CD44 antibody



3

Publications



Overview

Quantity:	100 μL
Target:	CD44
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD44 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human CD44. The exact sequence is proprietary.
Isotype:	IgG
Specificity:	IP/MS validation was supported by references (PMID:30377381)
Cross-Reactivity:	Human, Rabbit, Rat
Characteristics:	Rabbit Polyclonal antibody to CD44 (CD44 Molecule (Indian blood group)) CD44 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	CD44
Alternative Name:	CD44 molecule (Indian blood group) (CD44 Products)
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.
Malagular Waight	Cellular Localization: Membrane
Molecular Weight:	82 kDa
Gene ID:	960
UniProt:	P16070
Pathways:	Glycosaminoglycan Metabolic Process, Autophagy, Negative Regulation of intrinsic apoptotic Signaling
Application Details	
Application Notes:	WB: 1:1000-1:20000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other
	applications.
Comment:	Positive Control: MDA-MB-231(24 μ g/ml Tunicamycin treatment for 16 hr) , HeLa(12 μ g/ml Tunicamycin treatment for 48 hr) Validation: Comparison, IP/MS, KO/KD, Orthogonal
Restrictions:	For Research Use only
Handling	
Format:	Liquid

Handling

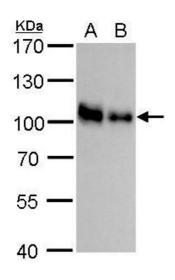
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in:

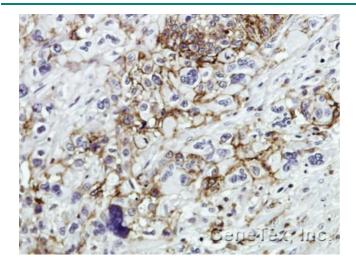
Ochiai, Hayashi, Umeda, Yoshimura, Harada, Shimizu, Nakano, Saitoh, Liu, Yamamoto, Okamura, Ohkawa, Kimura, Nikaido: "Genome-wide kinetic properties of transcriptional bursting in mouse embryonic stem cells." in: **Science advances**, Vol. 6, Issue 25, pp. eaaz6699, (2020) (PubMed).

Images



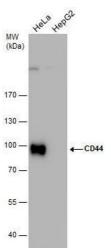
Western Blotting

Image 1. WB Image CD44 antibody detects CD44 protein by western blot analysis. A. 30 μg A549 whole cell lysate/extract B. 30 μg H1299 whole cell lysate/extract 7.5 % SDS-PAGE CD44 antibody , dilution: 1:5000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded Human pancreatic tumor, using CD44, antibody at 1:100 dilution.



Western Blotting

Image 3. WB Image CD44 antibody detects CD44 protein by western blot analysis. Whole cell extracts (30 μ g) was separated by 7.5% SDS-PAGE, and the membrane was blotted with CD44 antibody, diluted by 1:5000.

Please check the product details page for more images. Overall 8 images are available for ABIN2855292.