

Datasheet for ABIN6242234
anti-CD44 antibody (C-Term)[Go to Product page](#)[2 Images](#)[3 Publications](#)

Overview

Quantity:	400 µL
Target:	CD44
Binding Specificity:	AA 688-722, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD44 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Target/Specificity: This CD44 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 688-722 amino acids from the C-terminal region of human CD44.
Clone:	RB50727
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification..

Target Details

Target:	CD44
Alternative Name:	CD44 (CD44 Products)

Target Details

Background:	CD44 antigen, CDw44, Epican, Extracellular matrix receptor III, ECMR-III, GP90 lymphocyte homing/adhesion receptor, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, Phagocytic glycoprotein 1, PGP-1, Phagocytic glycoprotein I, PGP-I, CD44, CD44, LHR, MDU2, MDU3, MIC4
Molecular Weight:	81538
UniProt:	P16070
Pathways:	Glycosaminoglycan Metabolic Process , Autophagy , Negative Regulation of intrinsic apoptotic Signaling

Application Details

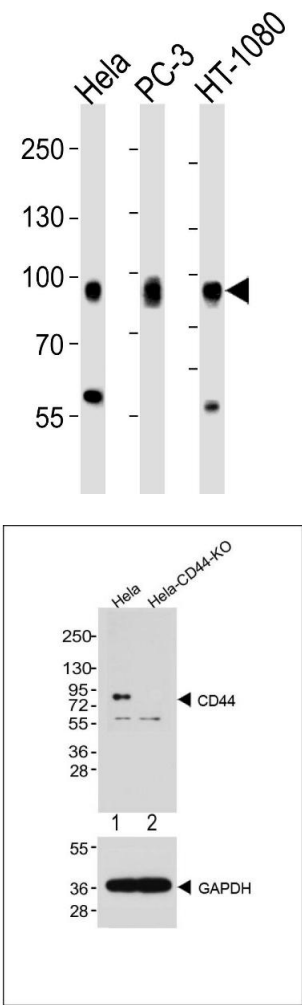
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Publications

Product cited in:	Dong, Zhang, Sun, Liu, Yin, Li, Zheng, Zeng: "Role of thioredoxin reductase 1 in dysplastic transformation of human breast epithelial cells triggered by chronic oxidative stress." in: Scientific reports, Vol. 6, pp. 36860, (2018) (PubMed). Li, Cohen, Sun, Squires, Braas, Graeber, Du, Li, Li, Xu, Chen, Huang: "The Role of CD44 in Glucose Metabolism in Prostatic Small Cell Neuroendocrine Carcinoma." in: Molecular cancer research : MCR, Vol. 14, Issue 4, pp. 344-53, (2017) (PubMed). Yan, Li, Xu, Chen, Wei, Fan, Chen, Li, Wang, Huang: "All-trans retinoic acids induce differentiation and sensitize a radioresistant breast cancer cells to chemotherapy." in: BMC complementary and alternative medicine, Vol. 16, pp. 113, (2016) (PubMed).
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Western Blotting

Image 1. Western blot analysis of lysates from HeLa, PC-3, HT-1080 cell line (from left to right), using CD44 Antibody (C-term) . was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

Western Blotting

Image 2. All lanes : Anti-CD44 Antibody at 1:2000 dilution (upper) Lane 1: HeLa Lane 2: HeLa-CD44-Knock out Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 82 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.