Datasheet for ABIN544106

anti-CD9 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	CD9
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD9 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of CD9.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CD9.
Cross-Reactivity:	Human

Target Details

Target:	CD9
Alternative Name:	CD9 (CD9 Products)
Gene ID:	928
Pathways:	Response to Water Deprivation, Cell-Cell Junction Organization

Application Details

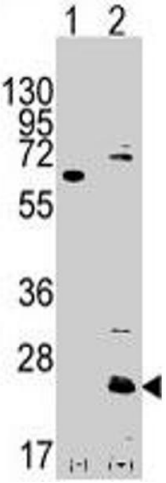
Application Notes:	Western Blot (1:1000) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

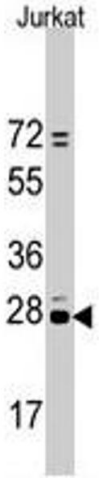
Publications

Product cited in:	Abache, Le Naour, Planchon, Harper, Boucheix, Rubinstein: "The transferrin receptor and the tetraspanin web molecules CD9, CD81, and CD9P-1 are differentially sorted into exosomes after TPA treatment of K562 cells." in: **Journal of cellular biochemistry**, Vol. 102, Issue 3, pp. 650-64, (2007) (PubMed). Ovalle, Gutiérrez-López, Olmo, Turnay, Lizarbe, Majano, Molina-Jiménez, López-Cabrera, Yáñez-Mó, Sánchez-Madrid, Cabañas: "The tetraspanin CD9 inhibits the proliferation and tumorigenicity of human colon carcinoma cells." in: **International journal of cancer. Journal international du cancer**, Vol. 121, Issue 10, pp. 2140-52, (2007) (PubMed). Kovalenko, Yang, Hemler: "A novel cysteine cross-linking method reveals a direct association between claudin-1 and tetraspanin CD9." in: **Molecular & cellular proteomics : MCP**, Vol. 6, Issue 11, pp. 1855-67, (2007) (PubMed).



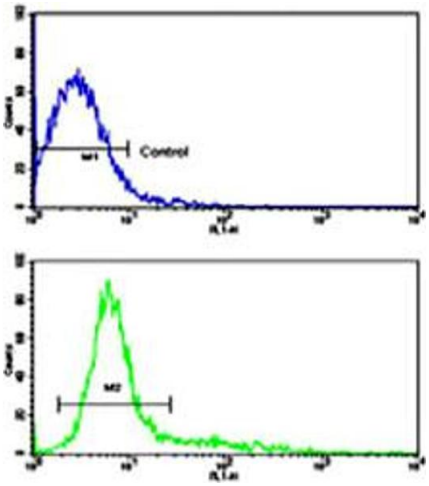
Western Blotting

Image 1. Western blot analysis of CD9 (arrow) using rabbit CD9 polyclonal antibody . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD9 gene (Lane 2) (Origene Technologies).



Western Blotting

Image 2. Western blot analysis of CD9 polyclonal antibody in Jurkat cell line lysates (35 ug/lane). CD9 (arrow) was detected using the purified polyclonal antibody.



Flow Cytometry

Image 3. Flow cytometric analysis of Jurkat cells using CD9 polyclonal antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.