

Product datasheet for **TA355019**

CD9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1-2µg/mL.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CD9 antibody was raised against a peptide corresponding to 19 amino acids near the center of human CD9.
Formulation:	CD9 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	CD9 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 25 kDa; Observed: 25 kDa
Gene Name:	CD9 molecule
Database Link:	NP_001760 Entrez Gene 928 Human P21926

Background: CD9 Antibody: CD9 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Like other tetraspanins, CD9 is a cell surface glycoproteins play a role in many cellular processes including differentiation, adhesion, and signal transduction (1). CD9 expression plays a critical role in the suppression of cancer cell motility and metastasis. In one study, the knockdown of CD9 expression suppressed the metastatic capacity of human breast cancer cells (2), while other results have shown the opposite effect, suggesting that different proteins associated with CD9 account for its abilities to promote or suppress metastasis (3).

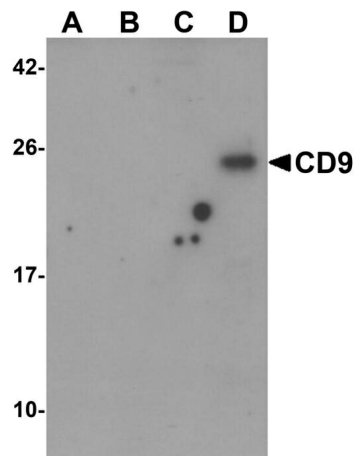


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Synonyms: 5H9; BA2; BTCC-1; DRAP-27; GIG2; MIC3; MRP-1; OTTHUMP00000041576; P24; Tetraspanin-29; Tspan-29; TSPAN29

Note: CD9 antibody can be used for Western blot at 1 - 2 $\mu\text{g}/\text{mL}$.

Product images:



Western blot analysis of CD9 in (A) human ovary, (B) human uterus, (C) human ovary tumor, and (D) human uterus tumor tissue lysate with CD9 antibody at 1 $\mu\text{g}/\text{ml}$.