

## Product datasheet for **TA302057**

### CD9 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	WB: 1:1000, FC: 1:10~50
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This CD9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-51 amino acids from the N-terminal region of human CD9.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25285 Da
Gene Name:	CD9 molecule
Database Link:	<a href="#">NP_001760</a> <a href="#">Entrez Gene 928 Human</a> <a href="#">P21926</a>
Background:	CD9 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It can modulate cell adhesion and migration and also trigger platelet activation and aggregation. In addition, the protein appears to promote muscle cell fusion and support myotube maintenance.



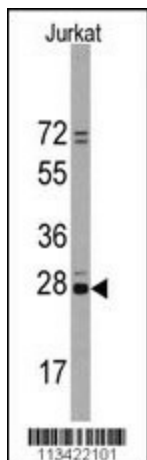
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**Synonyms:** BTCC-1; DRAP-27; MIC3; MRP-1; TSPAN-29; TSPAN29

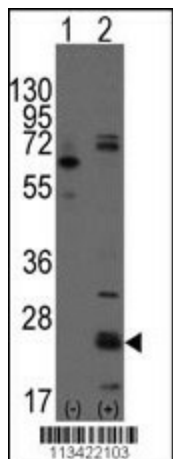
**Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** Hematopoietic cell lineage

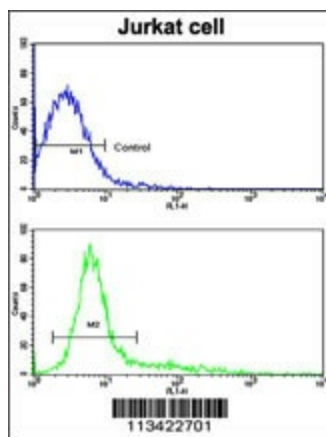
**Product images:**



Western blot analysis of CD9 Antibody (N-term) (Cat.#TA302057) in Jurkat cell line lysates (35ug/lane). CD9 (arrow) was detected using the purified Pab.



Western blot analysis of CD9 (arrow) using rabbit polyclonal CD9 Antibody (N-term) (Cat.#TA302057). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CD9 gene (Lane 2) (Origene Technologies).



Flow cytometric analysis of jurkat cells using CD9 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.