

## Product datasheet for **TA503956S**

### DPP9 Mouse Monoclonal Antibody [Clone ID: OTI4H8]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI4H8  |
| Applications:           | FC, IF, WB  |
| Recommended Dilution:   | WB 1:2000, IF 1:100, FLOW 1:100   |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Mouse   |
| Isotype:                | IgG2b   |
| Clonality:              | Monoclonal  |
| Immunogen:              | Full length human recombinant protein of human DPP9(NP_631898) produced in HEK293T cell.  |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| Concentration:          | 0.62 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 96.4 kDa  |
| Gene Name:              | dipeptidyl peptidase 9  |
| Database Link:          | <a href="#">NP_631898</a><br><a href="#">Entrez Gene 224897</a> <a href="#">MouseEntrez Gene 301130</a> <a href="#">RatEntrez Gene 91039</a> <a href="#">Human Q86T12</a> |



[View online »](#)

**Background:**

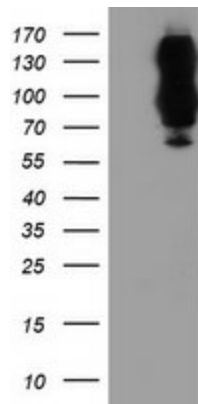
This gene encodes a protein that is a member of the S9B family in clan SC of the serine proteases. The protein has been shown to have post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Although the activity of this protein is similar to that of dipeptidyl peptidase 4 (DPP4), it does not appear to be membrane bound. In general, dipeptidyl peptidases appear to be involved in the regulation of the activity of their substrates and have been linked to a variety of diseases including type 2 diabetes, obesity and cancer. Several transcript variants of this gene have been described but not fully characterized. [provided by RefSeq]

**Synonyms:**

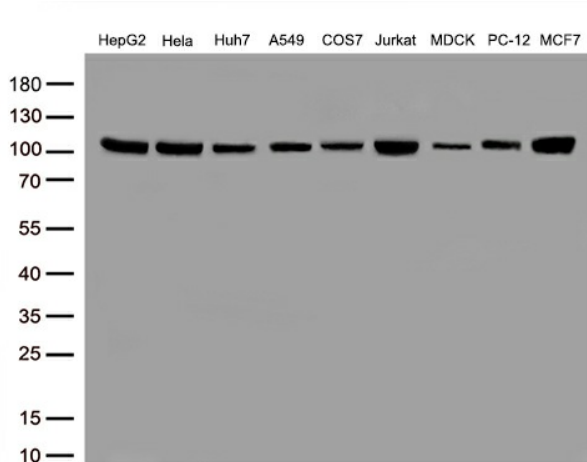
DP9; DPLP9; DPRP-2; DPRP2

**Protein Families:**

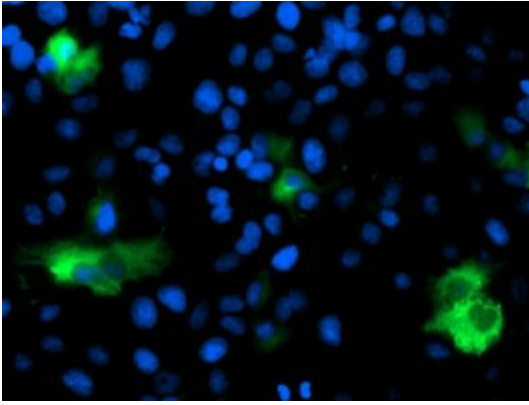
Druggable Genome, Protease

**Product images:**


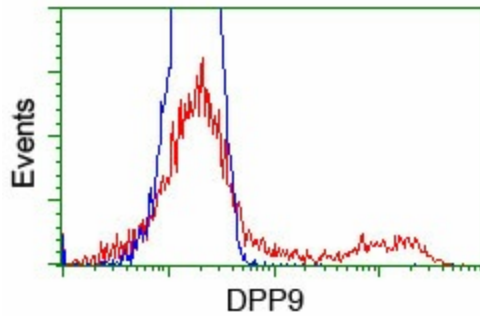
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DPP9 ([RC224465], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DPP9. Positive lysates [LY403380] (100ug) and [LC403380] (20ug) can be purchased separately from OriGene.



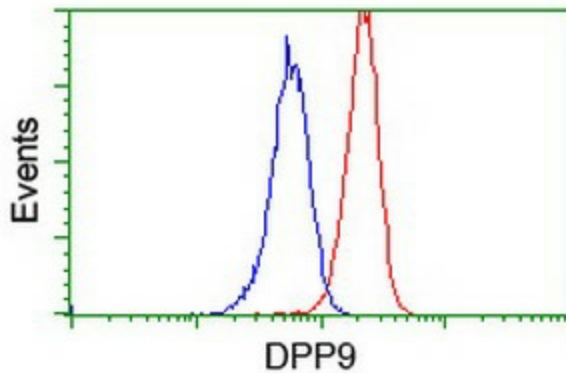
Western blot analysis of extracts (50ug per lane) from 9 cell lines lysates by using anti-DPP9 monoclonal antibody([TA503956], 1:500)



Anti-DPP9 mouse monoclonal antibody ([TA503956]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DPP9 ([RC224465]).



HEK293T cells transfected with either [RC224465] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DPP9 antibody ([TA503956]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-DPP9 antibody ([TA503956]), (Red), compared to a nonspecific negative control antibody, (Blue).