

## Product datasheet for TA504019

### DPP9 Mouse Monoclonal Antibody [Clone ID: OTI4F1]

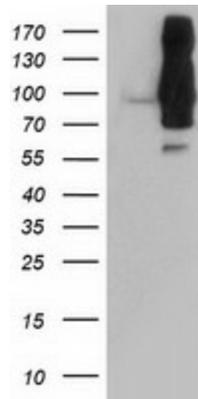
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4F1
Applications:	FC, IHC, WB
Recommend Dilution:	WB 1:500~2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Monkey, Dog
Host:	Mouse
Isotype:	IgG1
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:	0.58 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	96.4 kDa
Gene Name:	dipeptidyl peptidase 9
Database Link:	<a href="#">NP_631898</a> <a href="#">Entrez Gene 485033</a> <a href="#">DogEntrez Gene 695587</a> <a href="#">MonkeyEntrez Gene 91039</a> <a href="#">Human</a>
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

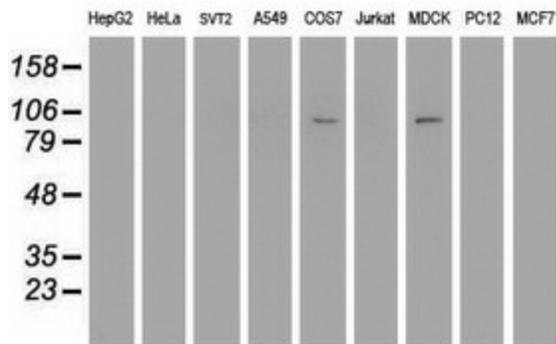


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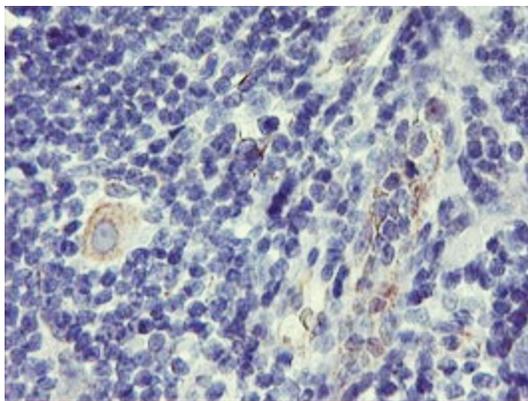
**Product images:**



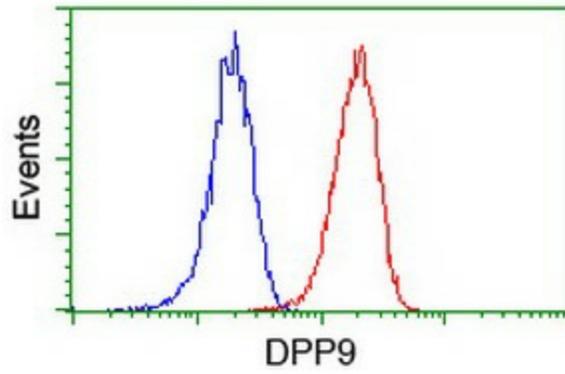
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DPP9 ([RC224465], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DPP9. Positive lysates [LY403380] (100ug) and [LC403380]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



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DPP9 monoclonal antibody.



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-DPP9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504019)



Flow cytometric Analysis of Jurkat cells, using anti-DPP9 antibody (TA504019), (Red), compared to a nonspecific negative control antibody, (Blue).