**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TA503960

## DPP9 Mouse Monoclonal Antibody [Clone ID: OTI2E3]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI2E3 |
| **Applications:** | FC, IHC, WB |
| **Recommended Dilution:** | WB 1:500~2000, IHC 1:150, FLOW 1:100 |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Full length human recombinant protein of human DPP9(NP_631898) produecd in HEK293T cell. |
| **Formulation:** | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration:** | 0.71 mg/ml |
| **Purification:** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **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:** | NP_631898 Entrez Gene 224897 MouseEntrez Gene 301130 RatEntrez Gene 91039 Human |
| **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 |

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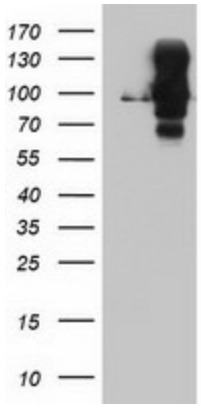
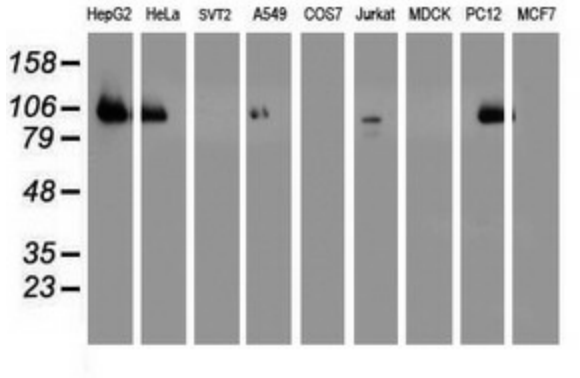
**Protein Families:** Druggable Genome, Protease

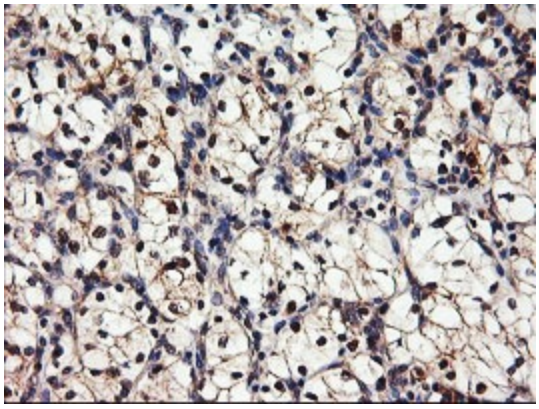
## Product images:



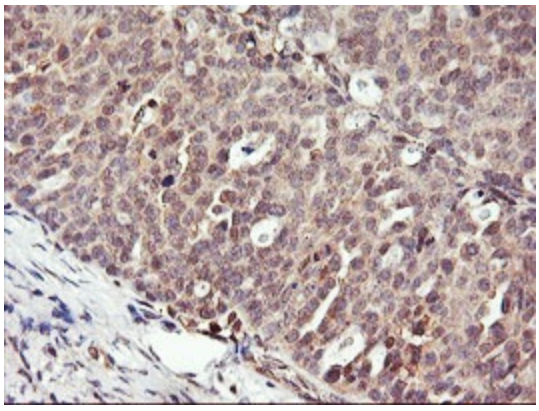

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DPP9 ([RC229388], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DPP9. Positive lysates [LY403380] (100ug) and [LC403380] (20ug) can be purchased separately from OriGene.



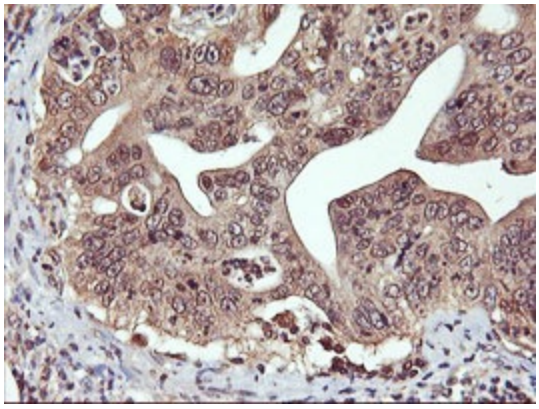

Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DPP9 monoclonal antibody.



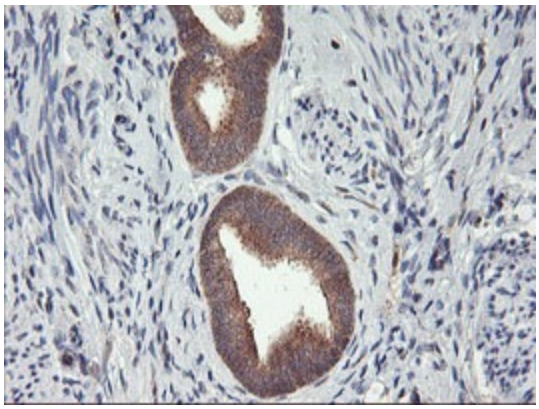
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-DPP9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503960)



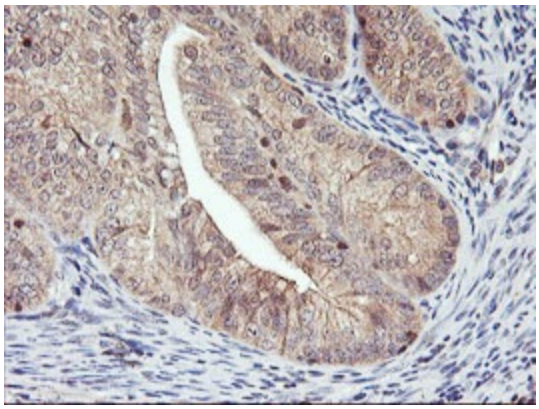
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-DPP9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503960)



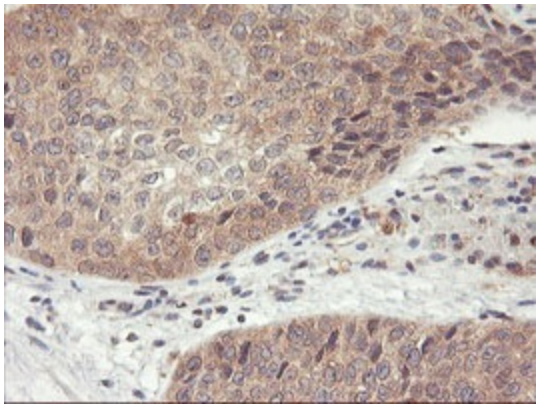
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-DPP9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503960)



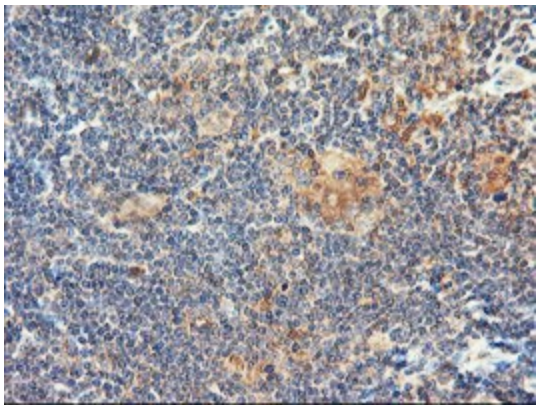
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-DPP9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503960)



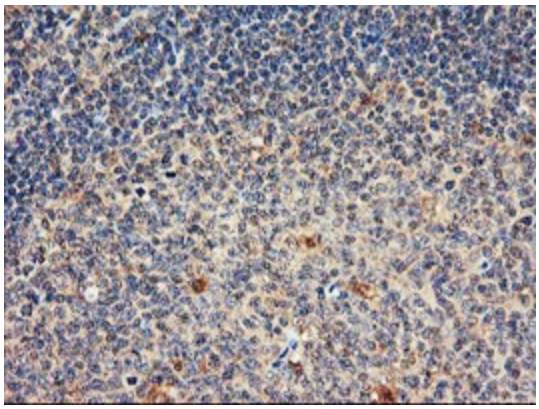
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DPP9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503960)



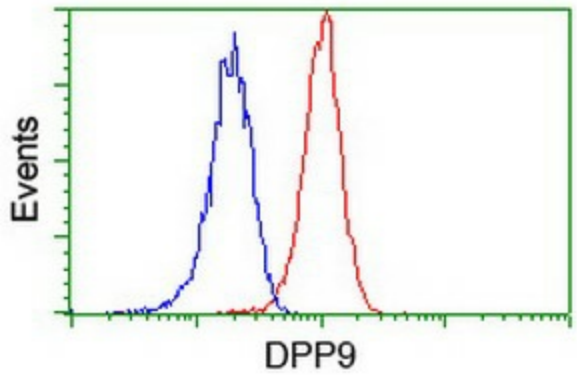
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-DPP9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503960)



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, TA503960)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-DPP9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503960)




Flow cytometric Analysis of Jurkat cells, using anti-DPP9 antibody (TA503960), (Red), compared to a nonspecific negative control antibody, (Blue).