



BMA BIOMEDICALS



Peninsula Laboratories

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## Dipeptidase 1 (DPEP1) (porcine)

Dipeptidase 1 (DPEP1) is a membrane-bound glycoprotein responsible for the hydrolysis of dipeptides. It is found in the microsomal fraction of the porcine kidney cortex. The gene coding for DPEP1 is 6 kb long and consists of ten exons and nine introns. The protein itself consists of 411 amino acid residues and is only transcribed in kidney cells. DPEP1 has been found to be highly expressed in colon cancer cells compared to normal colon cells. Higher levels of DPEP1 were also found in colorectal cancer patients, suggesting that DPEP1 is a valid marker for disseminated colon cancer cells.

This antibody was generated by immunization of rabbits with DPEP1 coupled to a carrier protein.

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### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Catalog Number:</b>	T-3566 (Lot 01PO24056)
<b>Clonality:</b>	Polyclonal
<b>Host species:</b>	Rabbit
<b>Reactivity:</b>	Porcine
<b>Quantity:</b>	50 µl
<b>Format:</b>	Neat undiluted antiserum, lyophilized. Reconstitute by adding 50 µl of distilled water. Avoid vortexing. This will give the equivalent of undiluted antiserum.
<b>Stability and Storage:</b>	Shelf life: one from despatch. Lyophilized vials: one year at 4°- 8°C. Stock solution: one year at -20°C. Avoid freeze-thaw cycles.
<b>Immunogen:</b>	Synthetic peptide H-Ala-Ala-Asp-Gln-Phe-Arg-Asp-Leu-Ala-Val-Arg-Ile-Met-Gln-Asp-Thr-Pro-NH <sub>2</sub> coupled to a carrier protein.
<b>Protein database:</b>	<u><a href="#">porcine-P22412</a></u>
<b>Cross-Reactivity:</b>	
<b>PEPTIDE:</b>	%:
DPEP1	100

**Applications:**

Tested in immunohistochemistry (IHC) and in ELISA. Other applications like IF, FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

**Approximate working dilution for IHC:**

Paraffin sections: 1:1000; Proteinase K pretreatment for antigen retrieval is recommended.

Frozen sections: not tested yet.

**Related Products:**

S-1557: ELISA, high sensitivity for extracted samples (po)

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This product contains no preservative and is intended for laboratory use and research purposes only.  
Not for diagnostic or therapeutic applications.

T-3566

14.06.2024