SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

**[ Primary Antibody ]**

# Rabbit Anti-DPEP1 antibody

**Catalog Number: SL14414R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | DPEP1 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human DPEP1: 201-300/411 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | IHC-P=1:100-500<br>IHC-F=1:100-500<br>ICC/IF=1:100-500<br>IF=1:100-500<br>ELISA=1:5000-10000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | (predicted: Human, Mouse) |
| **Predicted MW.:** | 44kDa |
| **Subcellular Location:** | The cell membrane |
| **Background:** | The protein encoded by this gene is a kidney membrane enzyme involved in the metabolism of glutathione and other similar proteins by dipeptide hydrolysis. The encoded protein is known to regulate leukotriene activity by catalyzing the conversion of leukotriene D4 to leukotriene E4. This protein uses zinc as a cofactor and acts as a disulfide-linked homodimer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jan 2012]<br>**Function:** Hydrolyzes a wide range of dipeptides. Implicated in the renal metabolism of glutathione and its conjugates. Converts leukotriene D4 to leukotriene E4; it may play an important role in the regulation of leukotriene activity. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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| | **Subcellular Location:** Apical cell membrane. Cell projection; microvillus membrane. Brush border membrane.<br>**Similarity:** Belongs to the peptidase M19 family.<br>**Database links:**<br>**Entrez Gene:** 1800 Human<br>Omim: 179780 Human<br>**SwissProt:** P16444 Human<br>**Unigene:** 109 Human |

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