

## Rabbit Anti-DPP7 antibody

SL6045R

<b>Product Name</b>	DPP7
<b>Chinese Name</b>	溶酶体丝氨酸蛋白酶 DPP2 抗体
<b>Alias</b>	DPP2_HUMAN; Dipeptidyl aminopeptidase II; Dipeptidyl peptidase 7; Dipeptidyl peptidase II; DPP II; DPP2; DPPII; QPP; Quiescent cell proline dipeptidase.
<b>Research Area</b>	Cell biology Kinases and Phosphatases
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted: Human, Mouse, Rat, ) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 (Paraffin sections need antigen repair)
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	52kDa
<b>Cellular localization</b>	cytoplasmic Secretory protein
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human DPP2: 81-180/492
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>
<b>Product Detail</b>	DPP2 is a serine protease found most abundantly in the lysosome. There is also a non-lysosomal membrane-associated form of DPP2 reported in the rat

brain (DPP-II-M), and a soluble form (DPP-II-S). First discovered as an enzyme involved in the terminal steps of protein degradation, and later as an enzyme involved in cell growth and quiescence, DPP2 cleaves N-terminal dipeptides and tripeptides from proteins. DPP2 has a preference for proline in the P1 position, and processes the tripeptides generated by DPP1 (which is unable to cleave if proline is in the P1 position). Some tumor cell lines express elevated DPP2 levels, and serum levels of DPP2 are elevated in some cancer patients, making DPP2 a potential tumor marker. DPP2 levels have been also been reported to be elevated in the cerebral spinal fluid from Parkinson's patients.

**Function:**

Plays an important role in the degradation of some oligopeptides.

**Subunit:**

Homodimer.

**Subcellular Location:**

Lysosome. Cytoplasmic vesicle. Secreted.

**Tissue Specificity:**

Detected in seminal plasma (at protein level).

**Post-translational modifications:**

N-glycosylated.

**Similarity:**

Belongs to the peptidase S28 family.

**SWISS:**

Q9UHL4

**Gene ID:**

29952

**Database links:**

[Entrez Gene: 29952](#) Human

[Entrez Gene: 83768](#) Mouse

[Entrez Gene: 83799](#) Rat

[Omim: 610537](#) Human



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[SwissProt: Q9UHL4](#) Human

[SwissProt: Q9ET22](#) Mouse

[SwissProt: Q9EPB1](#) Rat

[Unigene: 37916](#) Human

[Unigene: 3363](#) Rat