

## Rabbit Anti-DPP2/Cy5 Conjugated antibody

SL6045R-Cy5

<b>Product Name</b>	Anti-DPP2/Cy5
<b>Chinese Name</b>	Cy5 标记的溶酶体丝氨酸蛋白酶 DPP2 抗体
<b>Alias</b>	Dipeptidyl aminopeptidase II; Dipeptidyl peptidase 7; Dipeptidyl peptidase II; DPP II; DPP2; DPP7; 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) IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	52kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human DPP2
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</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.

**Database links:**

[Entrez Gene: 29952](#) Human

[Entrez Gene: 83768](#) Mouse

[Entrez Gene: 83799](#) Rat

[Omim: 610537](#) Human

[SwissProt: Q9UHL4](#) Human

[SwissProt: Q9ET22](#) Mouse

[SwissProt: Q9EPB1](#) Rat

[Unigene: 37916](#) Human

[Unigene: 3363](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in



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human, therapeutic or diagnostic applications.