SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-DPP2/Cy3 Conjugated antibody

Catalog Number: SL6045R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-DPP2/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human DPP2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	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.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat)
Background:	background: 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.

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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	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 human, therapeutic or diagnostic applications.