

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human DPP10 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant human (rh) DPP6 and rhDPP4 is observed.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>S. frugiperda</i> insect ovarian cell line Sf21-derived recombinant human DPP10 Leu56-Glu796 (Pro340Ala) Accession # NP_065919
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Human DPP10

#### PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

#### BACKGROUND

DPP10 (dipeptidyl peptidase 10; also DPPY, DPRP3 and DPL2) is a 91-97 kDa member of the peptidase S9B family. It is a type II transmembrane glycoprotein principally expressed in neurons and T cells. Although it is a peptidase member, it has no catalytic activity. Instead, it assists in the membrane trafficking and functioning of Kv4 K<sup>+</sup> channels. Human DPP10 is 796 amino acids (aa) in length. It contains a 34 aa cytoplasmic N-terminus and a 741 aa extracellular domain (ECD) (aa 56-796). Three potential isoforms exist, all involving aa substitutions limited to the first 20 amino acids. The ECD of human DPP10 shares 89% aa sequence identity with mouse DPP10 ECD.