Anti-human DPP6 Antibody

ORDERING INFORMATION

Catalog Number: AF2360

Lot Number: UEL01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human DPP6 extracellular domain

Immunogen: NS0-derived rhDPP6 (aa 118 - 865)

Ig Type: goat IgG

Applications: Western blot
Flow cytometry
Immunoprecipitation
Immunohistochemistry
Direct ELISA

Preparation
Produced in goats immunized with purified, NS0-derived, recombinant human Dipeptidyl Peptidase 6 (rhDPP6; aa 118 - 865). Human DPP6 specific IgG was purified by human DPP6 affinity chromatography.

Formulation
Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Endotoxin Level
< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution
Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL.

Storage
Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity
This antibody has been selected for its ability to recognize human DPP6 in the applications listed below.

Applications
Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human DPP6. The detection limit for rhDPP6 is approximately 2 ng/lane under non-reducing and reducing conditions.

Flow Cytometry - This antibody has been tested on human fetal neuronal cells. Dilute this antibody to 100 µg/mL and add 5 - 10 µL of the diluted solution to 1 - 5 x 10^5 cells in a total reaction volume not exceeding 200 µL. The binding of unlabeled antibodies may be visualized by adding 10 µL of a 25 µg/mL stock solution of a secondary developing reagent such as anti-goat IgG conjugated to a fluorochrome.

Immunoprecipitation - This antibody has been used to immunoprecipitate rhDPP6 from conditioned media of transfected NS0 cells.

Immunohistochemistry - This antibody will detect DPP6 in cells and tissues. The working dilution is 2 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissues Staining Kits (CTS Series).

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human DPP6. The detection limit for rhDPP6 is approximately 0.2 ng/well.

Optimal dilutions should be determined by each laboratory for each application.

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