



## ***Anti-human DPPII/QPP/DPP7 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** AF3438

**Lot Number:** YDO01

**Size:** 100 µg

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

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human DPPII

**Immunogen:** NS0-derived rhDPPII (aa 22 - 492)

**Ig Type:** goat IgG

**Applications:** Western blot  
Immunoprecipitation  
Direct ELISA

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant human Dipeptidyl-Peptidase II (rhDPPII; aa 22 - 492; R&D Systems' Catalog # 3438-SE). Human DPPII specific IgG was purified by human DPPII affinity chromatography.

### ***Formulation***

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

### ***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 DPPII in direct ELISAs and western blots. In these formats, this antibody shows approximately 60% cross-reactivity with rhDPPII.

### ***Applications***

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human DPPII. The detection limit for rhDPPII is approximately 10 ng/lane under non-reducing and reducing conditions.

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

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

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