



## *Anti-human Dishevelled-3 Antibody*

### ORDERING INFORMATION

**Catalog Number:** AF3754

**Lot Number:** YDJ01

**Size:** 100 µg

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

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human Dishevelled-3

**Immunogen:** *E. coli*-derived rhDishevelled-3 (aa 545 - 654)

**Ig Type:** sheep IgG

**Applications:** Western blot  
Immunohistochemistry  
Direct ELISA

### ***Preparation***

Produced in sheep immunized with purified, *E. coli*-derived, recombinant human Dishevelled-3 (rhDishevelled-3; aa 545 - 654; Accession # Q92997). Human Dishevelled-3 specific IgG was purified by human Dishevelled-3 affinity chromatography. Dishevelled-3 is one of three mammalian multi-moduled Dishevelled proteins that have important roles in the canonical and non-canonical Wnt pathways. Human Dishevelled-3 is a 716 amino acid residue protein with an N-terminal DIX domain, a central PZD domain, and a DEP domain. Over the region used as immunogen, human Dishevelled-3 shares 99% amino acid sequence homology with mouse and canine Dishevelled-3.

### ***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 Dishevelled-3 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 Dishevelled-3. The detection limit for rhDishevelled-3 is approximately 25 ng/lane under non-reducing and reducing conditions.

**Immunohistochemistry** - This antibody will detect human Dishevelled-3 in cells and tissues. The working dilution is 5 - 15 µg/mL.

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Dishevelled-3. The detection limit for rhDishevelled-3 is approximately 0.3 ng/well. In this format, this antibody shows less than 1% cross-reactivity with rhDishevelled-1 and rhDishevelled-2.

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