

## Anti-Dishevelled 3 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted: Human, Mouse, Chicken, Dog, Pig, Cow, Sheep)
Molecular Weight:	Theoretical: 78 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Dishevelled 3) Polyclonal Antibody, Unconjugated (TMAB-05173) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P, IHC-Fr, IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Dishevelled 3/DVL3
Antigen Species:	Human
Gene ID:	1857
Uniprot ID:	Q92997

## Research Background

Mammalian homologs of the Drosophila dishevelled (Dsh) gene have been identified, including Dvl-1, Dvl-2 and Dvl-3. The mammalian dishevelled proteins contain three homologous domains, two of which are unrelated to any other known protein. The third region is homologous to the discs-large homology domain of Drosophila discs-large-1, a tumor suppressor protein. Like their Drosophila counterpart, the dishevelled proteins are thought to be involved in embryogenesis. Overexpression of Dvl-1 has been shown to inhibit the phosphorylation of tau by GSK-3b. This finding may prove to be important in Alzheimer's studies, which have shown that tau is hyperphosphorylated. In Drosophila, Dsh is a component of the frizzled signaling pathway. Both mammalian dishevelled and frizzled proteins are components of the Wnt signalling pathway.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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