

## Anti-PDZD9 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Horse,Rabbit)
Molecular Weight:	Theoretical: 30 kDa. Actual: 30 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum tissue); 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 (PDZD9) Polyclonal Antibody, Unconjugated (TMAB-10156) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
	2. Sample: Cerebellum (Mouse) Lysate at 40 µg
	Primary: Anti-PDZD9 (TMAB-10156) at 1/300 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 30 kD
	Observed band size: 30 kD
Application:	3. Sample: Brain (Mouse) Lysate at 40 µg
	Primary: Anti-PDZD9 (TMAB-10156) at 1/300 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 30 kD
Observed band size: 30 kD	
Recommended	WB: 1:500-2000; 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 PDZD9
Antigen Species:	Human
Gene ID:	255762
Uniprot ID:	Q8IXQ8

### Research Background

PDZD9 (PDZ domain containing 9) is a 264 amino acid protein that contains one PDZ (DHR) domain and participates in protein binding. Conserved in chimpanzee, dog, cow, mouse and rat, PDZD9 exists as two alternatively spliced isoforms and is encoded by a gene that maps to human chromosome 16p12.1. Chromosome 16 encodes over 900

## A DRUG SCREENING EXPERT

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genes, approximately 90 million base pairs, makes up nearly 3% of human cellular DNA and is associated with a variety of genetic disorders. Giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth, and the rare disorder Rubinstein-Taybi syndrome, characterized by mental retardation and predisposition to tumor growth and white blood cell neoplasias, are associated with chromosome 16. Crohn's disease, a gastrointestinal inflammatory condition, and systemic lupus erythematosus are also associated with chromosome 16.

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

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