

## Anti-SMPD4 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 93 kDa. Actual: 96 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	<p>1. Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); 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 (SMPD4) Polyclonal Antibody, Unconjugated (TMAB-12982) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>2. Sample: Muscle (Mouse) Lysate at 40 µg Primary: Anti-SMPD4 (TMAB-12982) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 93 kD Observed band size: 96 kD</p>
Application:	WB,IHC-P,IHC-Fr,IF
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 SMPD4
Antigen Species:	Human
Gene ID:	55627
Uniprot ID:	Q9NXE4

## Research Background

Sphingomyelinases (EC 3.1.4.12), such as SMPD4, catalyze the hydrolysis of membrane sphingomyelin to form phosphorylcholine and ceramide (Krut et al., 2006 [PubMed 16517606]).[supplied by OMIM, Mar 2008]

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

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