

## Anti-PSAP Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog)
Molecular Weight:	Theoretical: 8.8/58 kDa. Actual: 58 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Sample: Testis (Rat) Lysate at 40 µg BV-2 (Mouse) CellLysate at 30 µg Primary: Anti-PSAP (TMAB-11844) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 8.8/58 kD Observed band size: 58 kD</p> <p>2. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-PSAP/PAP Polyclonal Antibody, Unconjugated (TMAB-11844) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>3. Protein: testis (rat) lysates at 30 µg; brain (rat) lysates at 30 µg; Primary: Anti-PSAP/PAP (TMAB-11844) at 1: 200; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 3000; ECL excited the fluorescence; Predicted band size: 58 kD Observed band size: 58 kD</p> <p>4. Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (PSAP) Polyclonal Antibody, Unconjugated (TMAB-11844) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</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.

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### Antigen Details

**Immunogen:** KLH conjugated synthetic peptide: human Prosaposin

**Antigen Species:** Human

**Gene ID:** 5660

**Uniprot ID:** P07602

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### Research Background

This gene encodes a highly conserved glycoprotein which is a precursor for 4 cleavage products: saposins A, B, C, and D. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein and as an integral membrane protein and has neurotrophic activities. Mutations in this gene have been associated with Gaucher disease, Tay-Sachs disease, and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

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