

Anti-SPATA9 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Pig,Cow,Sheep)
Molecular Weight:	Theoretical: 29 kDa. Actual: 19 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Cerebrum (Mouse) Lysate at 40 µg
	Primary: Anti-SPATA9 (TMAB-13087) at 1/300 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 29 kD
	Observed band size: 19 kD
	2. Sample: Cerebrum (Rat) Lysate at 40 µg
	Primary: Anti-SPATA9 (TMAB-13087) at 1/300 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 29 kD
Observed band size: 19 kD	
3. Sample: Testis (Mouse) Lysate at 40 µg	
Primary: Anti-SPATA9 (TMAB-13087) at 1/300 dilution	
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
Predicted band size: 29 kD	
Observed band size: 19 kD	
Application:	WB
Recommended	WB: 1:500-2000

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 SPATA9
Antigen Species:	Human
Gene ID:	83890
Uniprot ID:	Q9BWW2

Research Background

SPATA9 is a 254 amino acid single-pass membrane protein that is highly expressed in testis and pancreas with low expression in heart, lung, and brain. A component of the sperm acrosome, SPATA9 may participate in sperm capacitation and acrosome reaction, and is therefore necessary for fertilization. SPATA9 is also suggested to be involved in testicular development/spermatogenesis and may be an important factor in male infertility. No

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expression of SPATA9 was found in patients affected by Sertoli-cell-only syndrome, also known as Del Castillo syndrome or germ cell aplasia, which is characterized by male sterility without sexual abnormality. SPATA9 is encoded by a gene located on human chromosome 5, which consists of about 181 million base pairs, encodes around 1,000 genes and represents about 6% of human genomic DNA.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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