

Anti-Mitochondria-eating protein SPATA18 Antibody

Catalog Number: A09906

About SPATA18

SPATA18, also known as SPETEX-1, was initially identified as a cytoplasmic protein of elongate spermatids that is thought to be involved in differentiation process of elongate spermatids to mature spermatozoa. Recent experiments have shown that SPATA18 is a transcriptional target of p53 and p63. It has also been suggested to play a role in mitochondria quality control by inducing intramitochondrial lysosome-like organelle that eliminate oxidized mitochondrial proteins.

Overview

Product Name	Anti-Mitochondria-eating protein SPATA18 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Mitochondria-eating protein SPATA18 Antibody (Catalog # A09906). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	SPATA18 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	SPATA18 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Chicken
Uniprot ID	Q8TC71

Technical Details

Immunogen	SPATA18 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human SPATA18. The immunogen is located within amino acids 90 - 140 of SPATA18.
Cross Reactivity	At least three isoforms of SPATA18 are known to exist; this antibody will detect the two longest isoforms. SPATA18 antibody is predicted to not cross-react with other SPATA family members.
Isotype	IgY
Form	Liquid
Concentration	1 mg/mL
Purification	SPATA18 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SPATA18 antibody can be used for detection of SPATA18 by Western blot at 1 ug/mL. Antibody validated: Western Blot in rat samples. All other applications and species not yet tested.

Optimal dilutions for each application should be determined by the researcher.

Anti-Mitochondria-eating protein SPATA18 Antibody (A09906) Images



Western blot analysis of SPATA18 in rat lung tissue lysate with SPATA18 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide

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