

Product datasheet for **AP53944PU-N**

SMCP (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100 – 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 75-105 amino acids from the C-terminal region of human SMCP
Specificity:	This antibody reacts to SMCP.
Formulation:	PBS State: Aff – Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2–8°C for one month or (in aliquots) at –20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	12767 Da
Gene Name:	sperm mitochondria associated cysteine rich protein

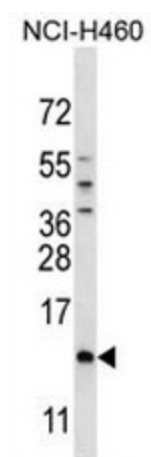


Database Link: [Entrez Gene 4184 Human P49901](#)

Background: Sperm mitochondria differ in morphology and subcellular localization from those of somatic cells. They are elongated, flattened, and arranged circumferentially to form a helical coiled sheath in the midpiece of the sperm flagellum. The protein encoded by this gene localizes to the capsule associated with the mitochondrial outer membranes and is thought to function in the organization and stabilization of the helical structure of the sperm's mitochondrial sheath.

Synonyms: MCS, MCSP

Product images:



SMCP Antibody (C-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the SMCP antibody detected the SMCP protein (arrow).