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anti-Spartan antibody (AA 1-239)





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Overview

Quantity:	100 μg
Target:	Spartan (C1orf124)
Binding Specificity:	AA 1-239
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Spartan antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human SprT-like domain-containing protein Spartan protein (1-239AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Spartan (C1orf124)
Alternative Name:	SPRTN (C1orf124 Products)
Background:	Background: Regulator of UV-induced DNA damage response: acts as a \'reader\' of
	ubiquitinated PCNA that enhances RAD18-mediated PCNA ubiquitination and translesion DNA

synthesis (TLS). Recruited to sites of UV damage and interacts with ubiquitinated PCNA and RAD18, the E3 ubiquitin ligase that monoubiquitinates PCNA. Facilitates chromatin association of RAD18 and is required for efficient PCNA monoubiquitination, promoting a feed-forward loop to enhance PCNA ubiquitination and translesion DNA synthesis. Acts as a regulator of TLS by recruiting VCP/p97 to sites of DNA damage, possibly leading to extraction of DNA polymerase eta (POLH) by VCP/p97 to prevent excessive translesion DNA synthesis and limit the incidence of mutations induced by DNA damage.

Aliases: SPRTN antibody, C1orf124 antibody, DVC1 antibody, UNQ1880/PRO4323 antibody, SprT-like domain-containing protein Spartan antibody, DNA damage protein targeting VCP antibody, DVC1 antibody, Protein with SprT-like domain at the N terminus antibody, Spartan antibody

UniProt:

Q9H040

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300

Preservative: U.03 % Proclin 300

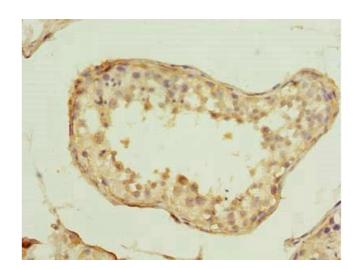
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7170650 at dilution of 1:100