

Datasheet for ABIN7170650  
**anti-Spartan antibody (AA 1-239)**[Go to Product page](#)

## 1 Image

## 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 ( <a href="#">C1orf124 Products</a> )
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

## Target Details

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  $\epsilon$  (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  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: 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