

Nur für Forschungszwecke

# VASP Polyklonaler Antikörper

Katalog-Nr.: 13472-1-AP

Vorgestelltes Produkt

9 Publikationen



## Allgemeine Informationen

**Katalog-Nr.:**  
13472-1-AP

**Größe:**  
150ul, Konzentration: 500 µg/ml von Nanodrop und 273 µg/ml durch die Bradford-Methode mit BSA als Standard;

**Wirt:**  
Kaninchen

**Isotyp:**  
IgG

**Immunogen Katalognummer:**  
AG4266

**GenBank-Zugangsnummer:**  
BC038224

**GeneID (NCBI):**  
7408

**Vollständiger Name:**  
vasodilator-stimulated phosphoprotein

**Berechnete Masse:**  
380 aa, 40 kDa

**Beobachtete Masse:**  
46 kDa, 50 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:1000-1:6000

IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB

IHC 1:20-1:200

IF 1:20-1:200

## Anwendungen

**Geprüfte Anwendungen:**

FC, IF, IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

IF, IHC, WB

**Getestete Reaktivität:**

Human, Maus, Ratte

**Zitierte Arten:**

Human, Maus

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

**Positivkontrollen:**

**WB:** A549-Zellen, A431-Zellen, C6-Zellen, HEK-293-Zellen, HeLa-Zellen, Mausmilzgewebe

**IP:** Mausmilzgewebe,

**IHC:** humanes Hodengewebe, humanes Hautkrebsgewebe, humanes Herzgewebe, humanes Lungengewebe, humanes Milzgewebe, humanes Nierengewebe

**IF:** HepG2-Zellen,

## Hintergrundinformationen

VASP belongs to the Ena/VASP family. Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance, lamellipodial and filopodial dynamics, platelet activation and cell migration. VASP promotes actin filament elongation. It protects the barbed end of growing actin filaments against capping and increases the rate of actin polymerization in the presence of capping protein. VASP stimulates actin filament elongation by promoting the transfer of profilin-bound actin monomers onto the barbed end of growing actin filaments. VASP plays a role in actin-based mobility of *Listeria monocytogenes* in host cells. Regulates actin dynamics in platelets and plays an important role in regulating platelet aggregation. Human platelet activation is inhibited by agents such as prostaglandins and NO donors, which elevate cAMP or cGMP levels. VASP is phosphorylated in human platelets in response to both cAMP- and cGMP-elevating agents, and its phosphorylation correlates with platelet inhibition. VASP is located about 92 kb distal to ERCC1 (126380) and about 300 kb proximal to the myotonic dystrophy protein kinase gene. The antibody is specific to VASP.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Thibault Courtheoux	27641145	Nat Commun	IF
Jun Wang	34745942	Front Oncol	WB
Yajing Lv	33186350	PLoS Biol	WB

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

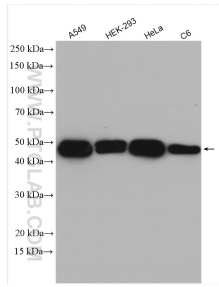
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

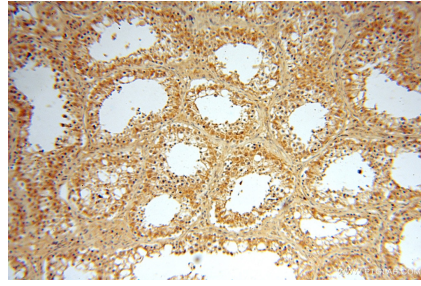
E: proteintech@ptglab.com  
W: ptglab.com

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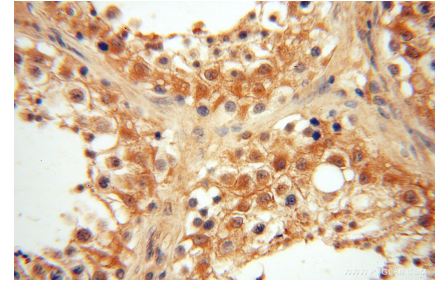
## Ausgewählte Validierungsdaten



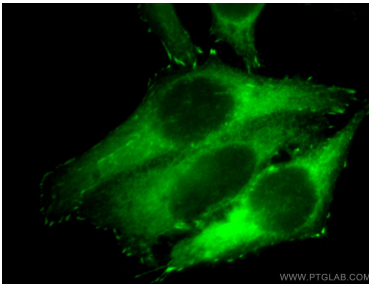
Various lysates were subjected to SDS PAGE followed by western blot with 13472-1-AP (VASP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



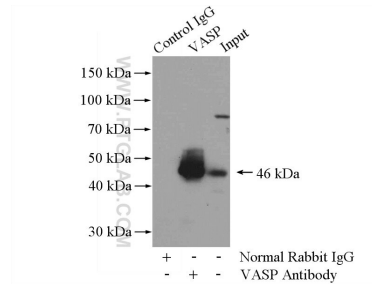
Immunohistochemical analysis of paraffin-embedded human testis using 13472-1-AP (VASP antibody) at dilution of 1:100 (under 10x lens).



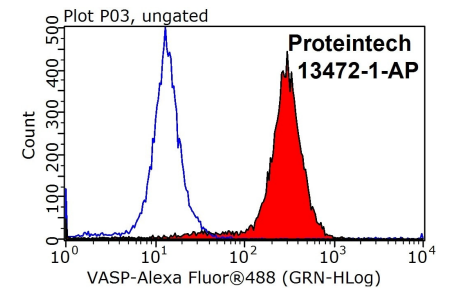
Immunohistochemical analysis of paraffin-embedded human testis using 13472-1-AP (VASP antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using VASP antibody 13472-1-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG (green).



IP Result of anti-VASP (IP:13472-1-AP, 4ug; Detection:13472-1-AP 1:500) with mouse spleen tissue lysate 4800ug.



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug VASP antibody (13472-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.