

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 25710-1-AP	<b>GenBank-Zugangsnummer:</b> BC028397	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 300 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 115426	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:2000 IP 0.5-4.0 ug für IP und 1:200-1:1000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> ubiquitin-like with PHD and ring finger domains 2	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 90 kDa	
<b>Immunogen Katalognummer:</b> AG22519	<b>Beobachtete Masse:</b> 90 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IP, WB, ELISA	<b>Positivkontrollen:</b> WB : HL-60-Zellen, HeLa-Zellen, Jurkat-Zellen, PC-3-Zellen IP : Jurkat-Zellen,
<b>In Publikationen genannte Anwendungen:</b> WB	
<b>Getestete Reaktivität:</b> Human	
<b>Zitierte Arten:</b> Human	

## Hintergrundinformationen

Ubiquitin-Like with PHD and ring finger domains 2 (UHRF2), a member that belongs to the family of UHRF, contains five recognizable functional domains, namely the ubiquitin-like domain (UBL) domain, tandem-Tudor domain (TTD), plant homeodomain (PHD), SET and RING associated (SRA) domain, and really interesting new gene (RING) finger domain. Due to the complex structure, UHRF2 possesses multiple functions in diverse cellular processes. As a ubiquitin E3 ligase, UHRF2 could ubiquitinate PCNP, a nuclear protein that contains two remarkable PEST sequences which are rich in proline (P), glutamic acid (E), serine (S), and threonine (T). It has been also reported that UHRF2 could serve as a vital cell cycle regulator by interacting with multiple cyclins, CDKs, p53, pRB and PCNA. UHRF2 has been revealed to possess epigenetic regulation function and is capable of maintaining 5mC levels in certain genomic loci in brain and stabilizes TIP60 to regulate H3K9ac and H3K14ac through RING finger domain. Moreover, UHRF2 could promote DNA damage repair by reducing the level of p21 mediated by RING finger domain. Recently, emerging evidence indicated that UHRF2 was involved in the tumorigenesis and progression of several human cancers, such as esophageal squamous cell carcinoma, lung cancer and colorectal cancer. UHRF2 has 2 isoforms with the molecular mass of 56 and 90 kDa. (PMID: 34400880)

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shengjun Geng	35732617	Cell Death Dis	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

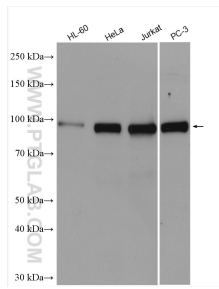
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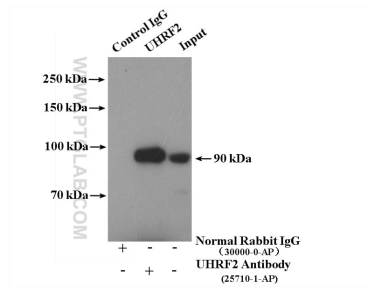
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## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 25710-1-AP (UHRF2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-UHRF2 (IP:25710-1-AP, 4ug; Detection:25710-1-AP 1:300) with Jurkat cells lysate 4000ug.