

## Allgemeine Informationen

**Katalog-Nr.:**  
15062-1-AP

**Größe:**  
150ul, Konzentration: 550 µg/ml von Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;

**Wirt:**  
Kaninchen

**Isotyp:**  
IgG

**Immunogen Katalognummer:**  
AG7065

**GenBank-Zugangsnummer:**  
BC002437

**GeneID (NCBI):**  
51010

**Vollständiger Name:**  
exosome component 3

**Berechnete Masse:**  
30 kDa

**Beobachtete Masse:**  
31 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:1000-1:4000

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

IF 1:200-1:800

## Anwendungen

**Geprüfte Anwendungen:**

IF, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

IF, WB

**Getestete Reaktivität:**

Human, Maus, Ratte

**Zitierte Arten:**

Human, Maus

**Positivkontrollen:**

**WB:** A2780-Zellen, HEK-293T-Zellen, Mausmilzgewebe, NIH/3T3-Zellen, PC-3-Zellen

**IP:** A2780-Zellen,

**IF:** PC-3-Zellen,

## Hintergrundinformationen

RNA exosomes are multi-subunit complexes conserved throughout evolution, and they are emerging as the major cellular machinery for processing, surveillance and turnover of a diverse spectrum of coding and noncoding RNA substrates essential for viability [PMID:22544365]. In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts [PMID:11782436]. EXOSC3 is a non-catalytic component of the RNA exosome complex which has 3'→5' exoribonuclease activity and involves in a multitude of cellular RNA processing and degradation events. EXOSC3 as peripheral part of the Exo-9 complex stabilizes the hexameric ring of Rnase PH-domain subunits through contacts with EXOSC9 and EXOSC5 [PMID:21255825].

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Katarzyna Kalisiak	27679475	Nucleic Acids Res	WB
Katarzyna Kalisiak	28204585	Nucleic Acids Res	WB
Marta Lloret-Llinares	30212902	Nucleic Acids Res	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:

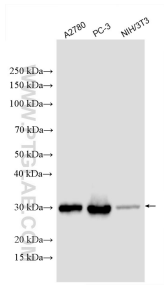
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

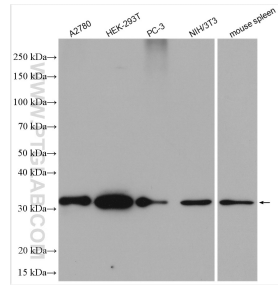
W: [ptglab.com](http://ptglab.com)

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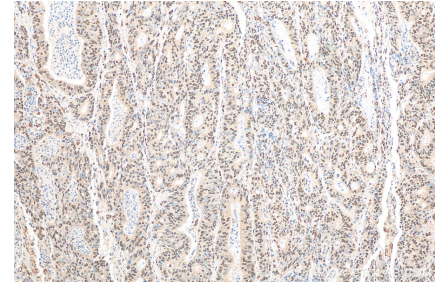
## Ausgewählte Validierungsdaten



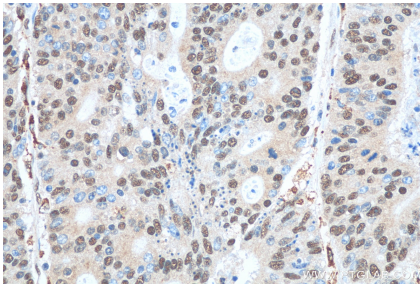
Various lysates were subjected to SDS PAGE followed by western blot with 15062-1-AP (EXOSC3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



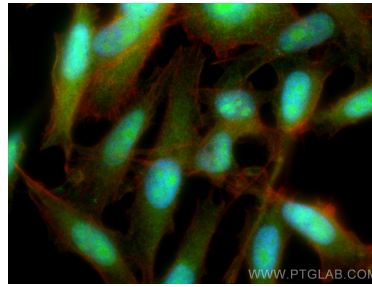
Various lysates were subjected to SDS PAGE followed by western blot with 15062-1-AP (EXOSC3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



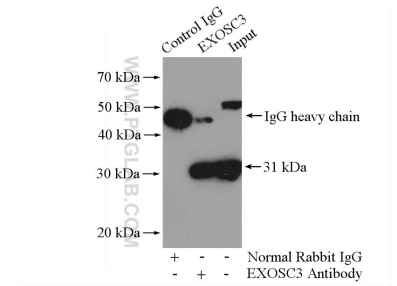
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15062-1-AP (EXOSC3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15062-1-AP (EXOSC3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using EXOSC3 antibody (15062-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP Result of anti-EXOSC3 (IP:15062-1-AP, 4ug; Detection:15062-1-AP 1:500) with A2780 cells lysate 800ug.