

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 19279-1-AP	<b>GenBank-Zugangsnummer:</b> BC049215	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 600 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 4939	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:2000 IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> 2'-5'-oligoadenylate synthetase 2, 69/71kDa	<b>IHC 1:50-1:500</b> <b>IF 1:50-1:500</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 82 kDa	
<b>Immunogen Katalognummer:</b> AG6170	<b>Beobachtete Masse:</b> 66-71 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, IP, WB, ELISA	<b>Positivkontrollen:</b> WB : IFN alpha treated A549 cells, IP : Jurkat-Zellen, IHC : humanes Leberkarzinomgewebe, humanes Mammakarzinomgewebe IF : HepG2-Zellen,
<b>In Publikationen genannte Anwendungen:</b> IF, IHC, WB	
<b>Getestete Reaktivität:</b> Human	
<b>Zitierte Arten:</b> Human, Maus	

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

## Hintergrundinformationen

The 2-prime,5-prime oligoadenylate synthetases (OASs), such as OAS2, are IFN-induced proteins characterized by their capacity to catalyze the synthesis of 2-prime,5-prime oligomers of adenosine (2-5As). OAS2 is also named as p69 OAS / p71 OAS. It has 3 isoforms(71/69/20 kDa) produced by alternative splicing. The OAS2 isozymes are 69-71 kDa and form dimers(PMID:17765707). Glycosylation is essential for its activity(PMID:9880569). Constitutive expression of the 69-kDa form of the OAS2 protein in human cells inhibited the replication of encephalomyocarditis virus (EMCV) but not that of VSV, Sendai virus, or reovirus(PMID:16501108). This antibody is specific to isoform p71 and isoform p69 of OAS2.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Arthur Wickenhagen	34581622	Science	WB
Liang Zhang	30258002	J Virol	WB
Yan-Zhou Huang	35305973	J Invest Dermatol	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**

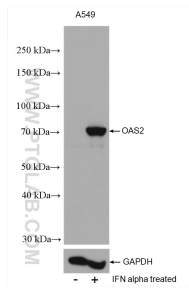
For technical support and original validation data for this product please contact:

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

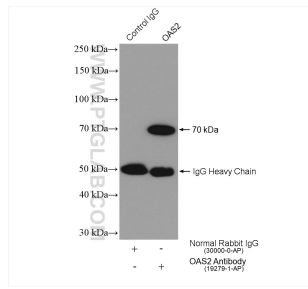
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

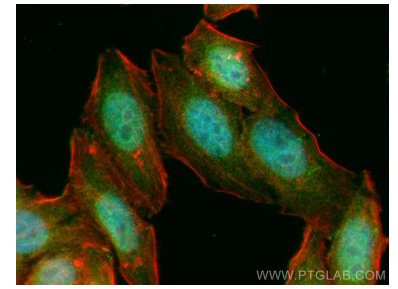
## Ausgewählte Validierungsdaten



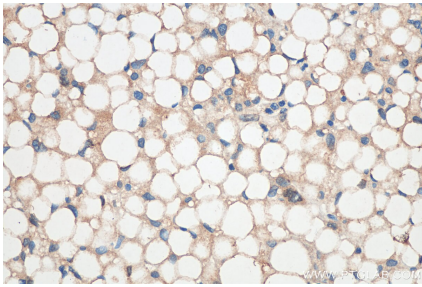
IFN alpha treated A549 cells were subjected to SDS PAGE followed by western blot with 19279-1-AP (OAS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



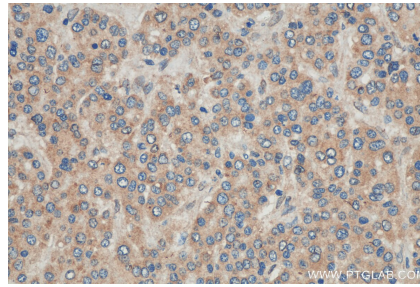
IP result of anti-OAS2(IP:19279-1-AP, 4ug; Detection:19279-1-AP 1:500) with Jurkat cells lysate 1800 ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using OAS2 antibody (19279-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 19279-1-AP (OAS2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 19279-1-AP (OAS2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).