

## Rabbit OAS1 Polyclonal Antibody | anti-OAS1 antibody

OAS1 antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                                                                    | APPLICATIONS                          |
|-----------|--------|---------------------------------------------------------------------------------------------------------------|---------------------------------------|
| AAA200158 | Rabbit | Tested Reactivity: Human<br>Predicted Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat | Western Blot,<br>Immunohistochemistry |

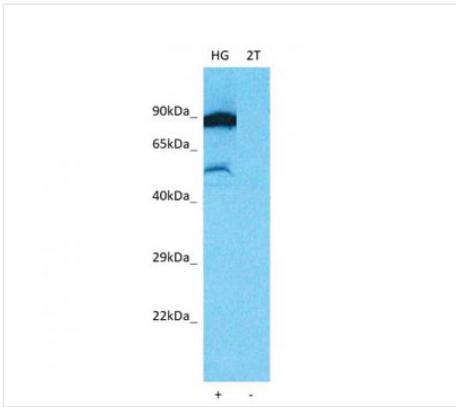
### PRODUCT SYNONYMS

OAS1; Polyclonal Antibody; OAS1 antibody - middle region; anti-OAS1 antibody

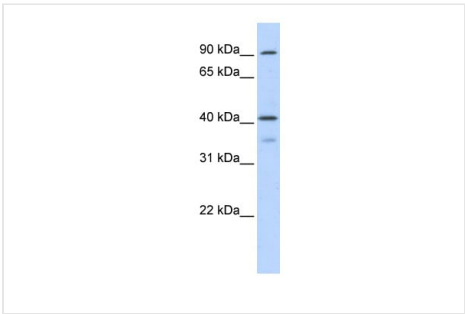
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                       |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                |
| Reactivity                                     | Tested Reactivity: Human<br>Predicted Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat                         |
| Clonality                                      | Polyclonal                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                     |
| Concentration                                  | Batch dependent within range: 100 ul at 0.5 - 1 mg/ml (varies by lot)                                                                 |
| Applicable Applications for anti-OAS1 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                         |
| Protein Size (# AA)                            | 414 amino acids                                                                                                                       |
| Protein Interactions                           | EXOC5; TRIM27; ACTN1; PRMT6; WBSCR22; RPL30; HCVgp1                                                                                   |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the middle region of human OAS1                                                 |
| Replacement Item                               | This antibody may replace item sc-100639 from Santa Cruz Biotechnology.                                                               |
| Predicted Homology                             | Cow: 93%; Dog: 93%; Guinea Pig: 87%; Horse: 93%; Human: 100%; Mouse: 93%; Pig: 93%; Rabbit: 86%; Rat: 93%                             |
| Preparation and Storage                        | For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles. |

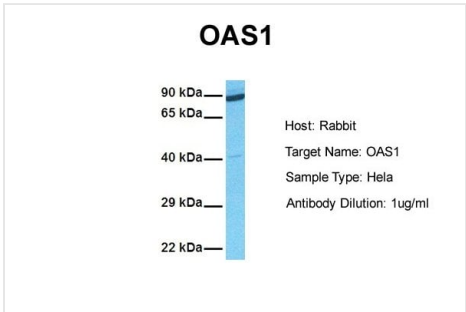
IMAGES



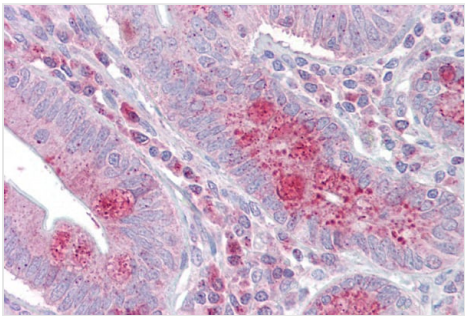
**WB (Western Blot)**  
Host: RabbitTarget name: OAS1Negative Control: ~25ug 293T cell lysate (2T)Positive Control: ~25ug HepG2 Cell Lysate (HG)Antibody Concentration: 3ug/ml



**WB (Western Blot)**  
WB Suggested Anti-OAS1 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:312500Positive Control: Transfected 293T



**WB (Western Blot)**  
Host: RabbitTarget Name: OAS1Sample Tissue: Human HelaAntibody Dilution: 1.0ug/ml



**IHC (Immunohistochemistry)**  
Immunohistochemistry of formalin-fixed, paraffin-embedded human Small intestine tissue. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-OAS1 antibody | This protein is a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses adenosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As). These molecules activate latent RNase L, which results in viral RNA degradation and the inhibition of viral replication.This gene encodes a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses adenosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As). These molecules activate latent RNase L, which results in viral RNA degradation and the inhibition of viral replication. The three known members of this gene family are located in a cluster on chromosome 12. Mutations in this gene have been associated with host susceptibility to viral infection. Alternatively spliced transcript variants encoding different isoforms have been described. |
| Product Categories/Family for anti-OAS1 antibody   | <a href="#">Polyclonal</a> ; <a href="#">Chromatin &amp; Nuclear Signaling</a> ; <a href="#">Disease Related</a> ; <a href="#">Immunohistochemistry</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                           |                              |
|---------------------------|------------------------------|
| NCBI GI #                 | <a href="#">74229015</a>     |
| NCBI GeneID               | <a href="#">4938</a>         |
| NCBI Accession #          | <a href="#">NP_001027581</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_001032409</a> |
| UniProt Accession #       | <a href="#">P00973</a>       |
| Molecular Weight          | 47kDa                        |

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI Official Full Name          | 2'-5'-oligoadenylate synthase 1 isoform 3        |
| NCBI Official Synonym Full Names | 2'-5'-oligoadenylate synthetase 1                |
| NCBI Official Symbol             | OAS1                                             |
| NCBI Official Synonym Symbols    | OIAS; IFI-4; OIASI; E18/E16                      |
| NCBI Protein Information         | 2'-5'-oligoadenylate synthase 1                  |
| UniProt Protein Name             | 2'-5'-oligoadenylate synthase 1                  |
| UniProt Gene Name                | <b>OAS1</b>                                      |
| UniProt Synonym Gene Names       | OIAS; (2-5')oligo(A) synthase 1; 2-5A synthase 1 |
| UniProt Entry Name               | OAS1_HUMAN                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/oas1-antibody-western-blot-immunohistochemistry-elisa/200158>