

Rabbit anti-Human OAS1 Polyclonal Antibody | anti-OAS1 antibody

OAS1 Antibody, HRP conjugated

CATALOG # AAA233369	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

OAS1; Polyclonal Antibody; OAS1 Antibody; HRP conjugated; 2'-5'-oligoadenylate synthase 1; (2-5')oligo(A) synthase 3; 2-5A synthase 1; E18/E16; p46/p42 OAS; OIAS; anti-OAS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	414
Applicable Applications for anti-OAS1 antibody	ELISA
Immunogen	Recombinant Human 2'-5'-oligoadenylate synthase 1 protein (296-395AA)
Conjugation	HRP
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-OAS1 antibody	Interferon-induced, dsRNA-activated antiviral enzyme which plays a critical role in cellular innate antiviral response. In addition, it may also play a role in other cellular processes such as apoptosis, cell growth, differentiation and gene regulation. Synthesizes higher oligomers of 2'-5'-oligoadenylates (2-5A) from ATP which then bind to the inactive monomeric form of ribonuclease L (RNase L) leading to its dimerization and subsequent activation. Activation of RNase L leads to degradation of cellular as well as viral RNA, resulting in the inhibition of protein synthesis, thus terminating viral replication. Can mediate the antiviral effect via the classical RNase L-dependent pathway or an alternative antiviral pathway independent of RNase L. The secreted form displays antiviral effect against vesicular stomatitis virus (VSV), herpes simplex virus type 2 (HSV-2), and encephalomyocarditis virus (EMCV) and stimulates the alternative antiviral pathway independent of RNase L.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74229015
NCBI GeneID	4938
NCBI Accession #	NP_001027581.1

NCBI GenBank Nucleotide #	NM_001032409.2
UniProt Accession #	P00973 ; P04820 ; P29080 ; P29081 ; P78485 ; P78486 ; Q16700 ; Q16701 ; Q1PG42 ; Q3ZM01 ; Q53GC5 ; A8K4N8
Molecular Weight	43,944 Da
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	OAS1
UniProt Synonym Gene Names	OIAS; (2-5')oligo(A) synthase 1; 2-5A synthase 1

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-elisa/233369>