

Rabbit OAS1 Polyclonal Antibody | anti-OAS1 antibody

OAS1 Polyclonal Antibody

CATALOG # AAA37479	HOST Rabbit	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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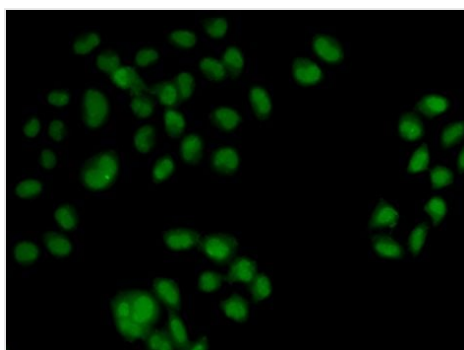
PRODUCT SYNONYMS

OAS1; Polyclonal Antibody; OAS1 Polyclonal Antibody; OIAS; IFI-4; OIASI; anti-OAS1 antibody

PRODUCT SPECIFICATIONS

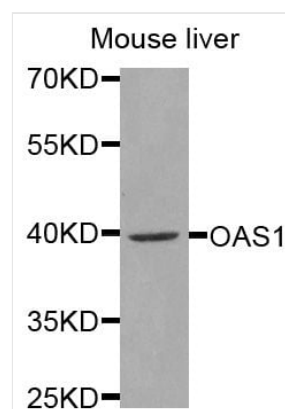
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	400
Applicable Applications for anti-OAS1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-364 of human OAS1 (NP_002525.2)
Species Reactivity/ Cross-Reactivity	Human, Mouse
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using OAS1 antibody.



WB (Western Blot)

Western blot analysis of extracts of mouse liver, using OAS1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-OAS1 antibody	This gene is induced by interferons and encodes a protein that synthesizes 2',5'- oligoadenylates (2-5As). This protein activates latent RNase L, which results in viral RNA degradation and the inhibition of viral replication. Alternative splicing results in multiple transcript variants with different enzymatic activities. Polymorphisms in this gene have been associated with susceptibility to viral infection and diabetes mellitus, type 1. A disease-associated allele in a splice acceptor site influences the production of the p46 splice isoform. This gene is located in a cluster of related genes on chromosome 12.
Product Categories/Family for anti-OAS1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	296439492
NCBI GeneID	4938
UniProt Accession #	P00973; P04820; P29080; P29081; P78485; P78486; Q16700; Q16701; Q1PG42; Q3ZM01; Q53GC5; A8K4N8
Molecular Weight	Observed MW: 40kDa Calculated MW: 41kDa/43kDa/46kDa/47kDa
NCBI Official Full Name	2'-5'-oligoadenylate synthase 1
NCBI Official Synonym Full Names	2'-5'-oligoadenylate synthetase 1, 40/46kDa
NCBI Official Symbol	OAS1
NCBI Official Synonym Symbols	OIAS; IFI-4; OIASI
NCBI Protein Information	2'-5'-oligoadenylate synthase 1; E18/E16; p46/p42 OAS; 2-5A synthase 1; 2-5A synthetase 1; (2-5')oligo(A) synthase 1; 2',5'-oligo A synthetase 1; (2-5')oligo(A) synthetase 1; 2'-5'-oligoisoadenylate synthetase 1; 2',5'-oligoadenylate synthetase 1, 40/46kDa; 2'-5' oligoadenylate synthetase 1 p48 isoform; 2'-5' oligoadenylate synthetase 1 p52 isoform
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
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.