

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

OAS1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289931	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

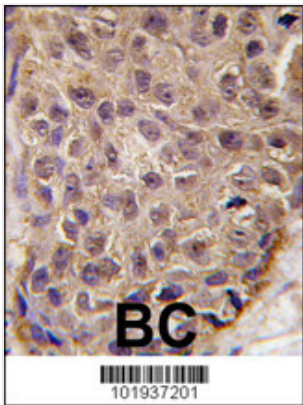
PRODUCT SYNONYMS

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

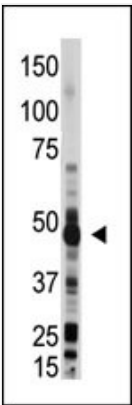
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This OAS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 302-330 amino acids from the C-terminal region of human OAS1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	302-330
Sequence Length	382
Applicable Applications for anti-OAS1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with OAS1 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
The anti-OAS1 Pab is used in Western blot to detect OAS1 in mouse liver lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-OAS1 antibody	OAS1 is an interferon inducible protein that may play a role in mediating resistance to virus infection, control of cell growth, differentiation, and apoptosis. It binds double-stranded RNA and polymerizes ATP into PPP(A2'P5'A)N oligomers, which activate the latent RNase L that, when activated, cleaves single-stranded RNAs. This protein is associated with different subcellular fractions such as mitochondrial, nuclear, and rough/smooth microsomal fractions.
References	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Sarkar, S.N., et al., J. Biol. Chem. 274(36):25535-25542 (1999). Ghosh, A., et al., J. Biol. Chem. 272(52):33220-33226 (1997). Ghosh, S.K., et al., J. Biol. Chem. 266(23):15293-15299 (1991). Rutherford, M.N., et al., EMBO J. 7(3):751-759 (1988).

NCBI AND UNIPROT INFORMATION

NCBI GI #	74229015
NCBI GeneID	4938
NCBI Accession #	NP_001027581.1; NP_002525.2; NP_058132.2
NCBI GenBank Nucleotide #	NM_001032409.1
UniProt Accession #	P00973; P04820; P29080; P29081; P78485; P78486; Q16700; Q16701; Q1PG42; Q3ZM01; Q53GC5; A8K4N8
Molecular Weight	46029
NCBI Official Full Name	2'-5'-oligoadenylate synthase 1 isoform 3
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
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://stage.aaabiotech.com/polyclonal/oas1-antibody-immunohistochemistry-western-blot-elisa/289931>