

Rabbit anti-Mouse, Rat OAS2 Polyclonal Antibody | anti-OAS2 antibody

Anti-OAS2 Antibody Picoband

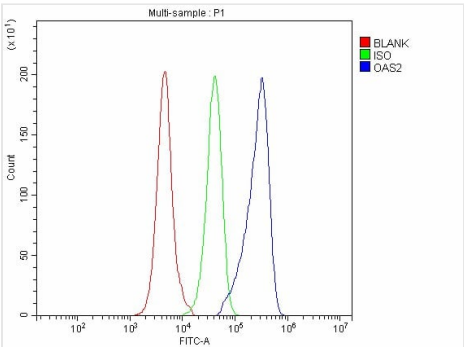
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127085	Rabbit	Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

OAS2; Polyclonal Antibody; Anti-OAS2 Antibody Picoband; 2'-5' oligoadenylate synthetase 2; Oas2; oasl11; 2'-5'-oligoadenylate synthase 2; (2-5'oligo(A synthase 2; 2-5A synthase 2; EC 2.7.7.84; 2'; 5'-oligoadenylate synthetase-like 11; anti-OAS2 antibody

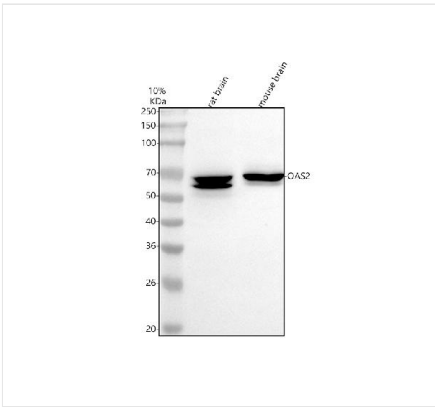
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-OAS2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived mouse OAS2 recombinant protein (Position: H35-K742). Mouse OAS2 shares 62.4% and 77.5% amino acid (aa) sequence identity with human and rat ATF5, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of Raw264.7 cells using anti-OAS2 antibody (AAA127085).Overlay histogram showing Raw264.7 cells stained with AAA127085 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-OAS2 Antibody (AAA127085, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of OAS2 using anti-OAS2 antibody (AAA127085).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat brain tissue lysates,Lane 2: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-OAS2 antigen affinity purified polyclonal antibody (#AAA127085) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for OAS2 at approximately 69 kDa. The expected band size for OAS2 is at 82 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-OAS2 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-OAS2 antibody	Primary Antibodies
References	1. Hovanessian, A. G., Laurent, A. G., Chebath, J., Galabru, J., Robert, N., Svab, J. Identification of 69-kd and 100-kd forms of 2-5A synthetase in interferon-treated human cells by specific monoclonal antibodies. EMBO J. 6: 1273-1280, 1987.2. Hovnanian, A., Rebouillat, D., Mattei, M.-G., Levy, E. R., Marie, I., Monaco, A. P., Hovanessian, A. G. The human 2-prime,5-prime-oligoadenylate synthetase locus is composed of three distinct genes clustered on chromosome 12q24.2 encoding the 100-, 69-, and 40-kDa forms. Genomics 52: 267-277, 1998.3. Marie, I., Galabru, J., Svab, J., Hovanessian, A. G. Preparation and characterization of polyclonal antibodies specific for the 69 and 100 k-dalton forms of human 2-5A synthetase. Biochem. Biophys. Res. Commun. 160: 580-587, 1989.

NCBI AND UNIPROT INFORMATION

NCBI GI #	170650681
NCBI GeneID	246728
NCBI Accession #	NP_660262.2
NCBI GenBank Nucleotide #	NM_145227.3
UniProt Accession #	E9Q9A9; Q8K4E5; Q8VI92
Molecular Weight	86,285 Da
NCBI Official Full Name	2'-5'-oligoadenylate synthase 2
NCBI Official Synonym Full Names	2'-5' oligoadenylate synthetase 2

NCBI Official Symbol	Oas2
NCBI Official Synonym Symbols	Oasl11
NCBI Protein Information	2'-5'-oligoadenylate synthase 2
UniProt Protein Name	2'-5'-oligoadenylate synthase 2
UniProt Gene Name	Oas2
UniProt Synonym Gene Names	oasl11; (2-5')oligo(A) synthase 2; 2-5A synthase 2
UniProt Entry Name	OAS2_MOUSE

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/oas2-antibody-flow-cytometry-western-blot-elisa/127085>