

Datasheet for ABIN7601436
anti-OAS2 antibody (AA 35-742)



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Overview

Quantity:	100 µg
Target:	OAS2
Binding Specificity:	AA 35-742
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OAS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-OAS2 Antibody Picoband®
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-OAS2 Antibody Picoband® (ABIN7601436). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Mouse, Rat. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	OAS2
Alternative Name:	OAS2 (OAS2 Products)
Background:	Synonyms: 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 Background: 2'-5'-oligoadenylate synthetase 2 is an enzyme that in humans is encoded by the OAS2 gene. Enables 2'-5'-oligoadenylate synthetase activity and double-stranded RNA binding activity. Involved in defense response to virus, regulation of lactation, and type I interferon signaling pathway. Acts upstream of or within RNA catabolic process, interleukin-27-mediated signaling pathway, and response to bacterium. Predicted to be located in perinuclear region of cytoplasm. Predicted to be active in cytosol, membrane, and nucleoplasm. Is expressed in embryo. Orthologous to human OAS2 (2'-5'-oligoadenylate synthetase 2).
Molecular Weight:	69 kDa
Gene ID:	246728
UniProt:	E9Q9A9
Pathways:	Hepatitis C

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Mouse ELISA, 0.1-0.5 µg/mL, Mouse 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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.