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Datasheet for ABIN7142175

**anti-OAS3 antibody (AA 424-565) (Biotin)**

## Overview

Quantity:	100 µg
Target:	OAS3
Binding Specificity:	AA 424-565
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OAS3 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human 2'\-5\'-oligoadenylate synthase 3 protein (424-565AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	OAS3
Alternative Name:	OAS3 ( <a href="#">OAS3 Products</a> )
Background:	Background: 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

## Target Details

such as apoptosis, cell growth, differentiation and gene regulation. Synthesizes preferentially dimers 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. Displays antiviral activity against Chikungunya virus (CHIKV), Dengue virus, Sindbis virus (SINV) and Semliki forest virus (SFV).

Aliases: (2-5'')oligo(A) synthase 3 antibody, 2 5' oligo(A) synthetase 3 antibody, 2 5'LIGO antibody, 2 5A synthetase 3 antibody, 2''-5''-oligoadenylate synthase 3 antibody, 2-5A synthase 3 antibody, MGC133260 antibody, OAS3 2' 5' oligoadenylate synthetase 3, 100 kDa antibody, OAS3 antibody, OAS3\_HUMAN antibody, p100 antibody, p100 OAS antibody, p100OAS antibody

UniProt: [Q9Y6K5](#)

Pathways: [Hepatitis C](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.