

Datasheet for ABIN7142174  
**anti-OAS3 antibody (AA 424-565)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µg
Target:	OAS3
Binding Specificity:	AA 424-565
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OAS3 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

## 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: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

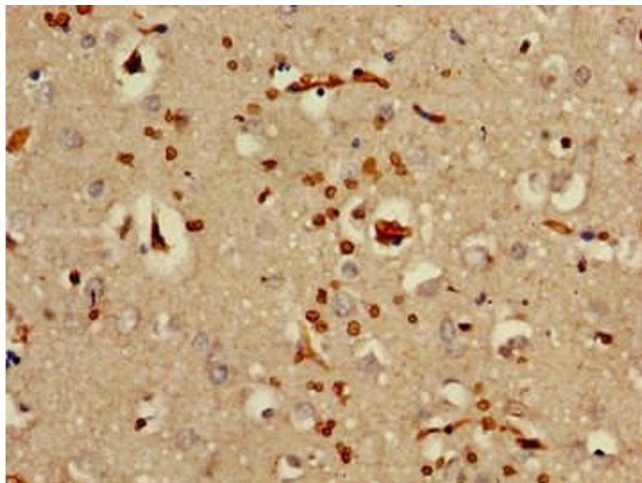
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

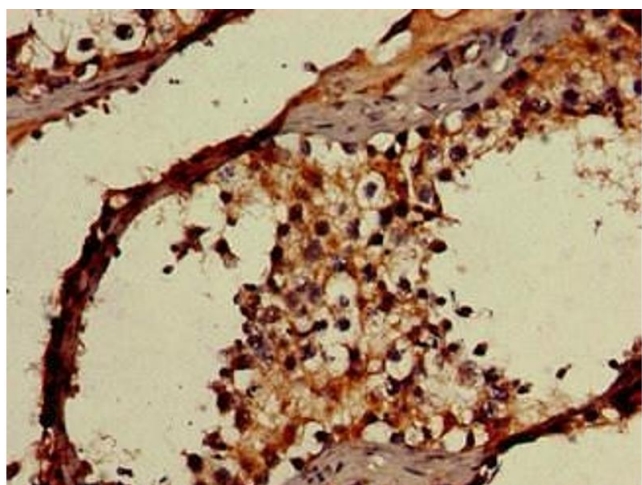
Storage: -20 °C,-80 °C

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



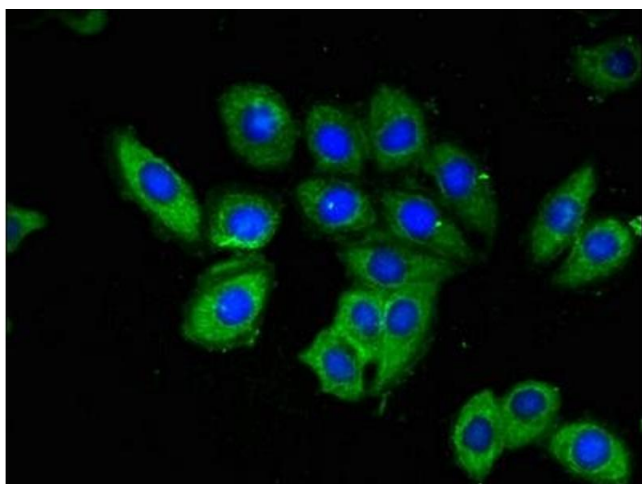
#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7142174 at dilution of 1:100



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7142174 at dilution of 1:100



#### Immunofluorescence

**Image 3.** Immunofluorescent analysis of A549 cells using ABIN7142174 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)