

Datasheet for ABIN7142170
anti-OAS1 antibody (AA 296-395)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	OAS1
Binding Specificity:	AA 296-395
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OAS1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human 2\'-5\'-oligoadenylate synthase 1 protein (296-395AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	OAS1
Alternative Name:	OAS1 (OAS1 Products)
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 higher oligomers 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. The secreted form displays antiviral effect against vesicular stomatitis virus (VSV), herpes simplex virus type 2 (HSV-2), and encephalomyocarditis virus (EMCV) and stimulates the alternative antiviral pathway independent of RNase L.

Aliases: (2' 5')oligo(A) synthetase 1 antibody, (2-5'')oligo(A) synthase 1 antibody, 2' 5'

Oligoadenylate Synthetase 1 antibody, 2' 5' oligo A synthase 1 antibody, 2' 5' oligo A synthetase 1 antibody, 2' 5A synthase 1 antibody, 2' 5A synthetase 1 antibody, 2' 5' oligo A synthetase 1 antibody, 2' 5' oligoadenylate synthetase 1 40/46 kDa antibody, 2' 5' oligoadenylate synthetase 1 antibody, 2' 5' oligoisoadenylate synthetase 1 antibody, 2''-5''-oligoadenylate synthase 1 antibody, 2'5' oligo A synthetase 1 antibody, 2'5' oligoadenylate synthetase 1 antibody, 2'5' oligoisoadenylate synthetase 1 antibody, 2-5A synthase 1 antibody, E18/E16 antibody, IFI 4 antibody, IFI4 antibody, OAS 1 antibody, OAS1 antibody, OAS1_HUMAN antibody, OIAS antibody, OIASI antibody, p46/p42 OAS antibody

UniProt: [P00973](#)

Pathways: [Hepatitis C](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

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

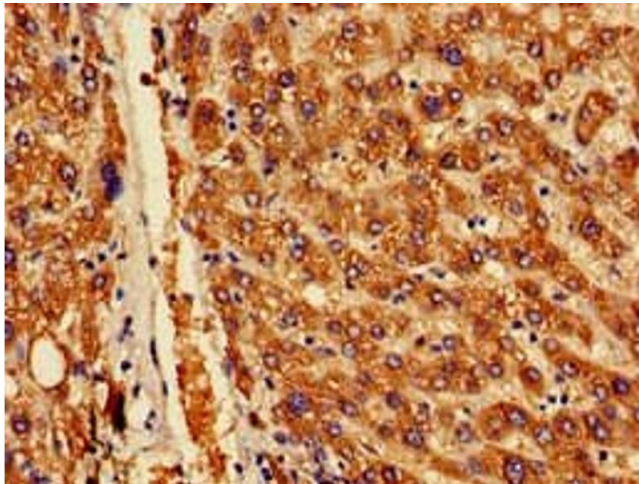
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, -80 °C

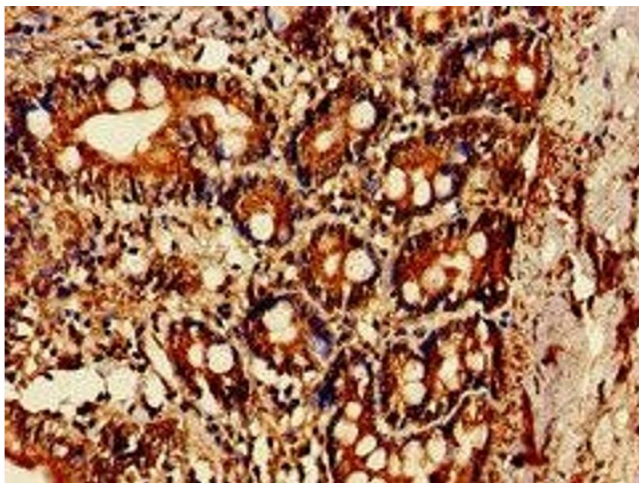
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7142170 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7142170 at dilution of 1:100