Datasheet for ABIN928541

anti-OAS1 antibody (Middle Region)

1 Image

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Overview

Quantity:	100 µL
Target:	OAS1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OAS1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	OAS1 antibody was raised in rabbit using the middle region of OAS1 as the immunogen
Cross-Reactivity:	Rat (Rattus), Mouse (Murine), Cow (Bovine), Dog (Canine), Pig (Porcine), Chicken
Purification:	Purified

Target Details

Target:	OAS1
Alternative Name:	OAS1 (OAS1 Products)
Background:	This protein is a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses adenosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As). These molecules activate latent RNase L, which results in viral RNA

Target Details

	degradation and the inhibition of viral replication. Synonyms: Polyclonal OAS1 antibody, Anti-OAS1 antibody, 2',5'-oligoadenylate synthetase 1, 40/46kDa antibody, IFI-4 antibody, OIAS antibody, OIASI antibody.
Pathways:	Hepatitis C

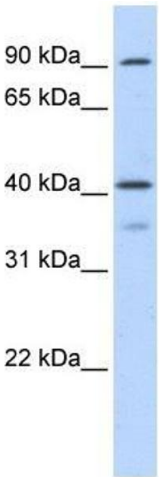
Application Details

Application Notes:	WB: 0.2-1 µg/mL Optimal conditions should be determined by the investigator.
Comment:	OAS1 Blocking Peptide, catalog no. 33R-8155, is also available for use as a blocking control in assays to test for specificity of this OAS1 antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.

Images



Western Blotting

Image 1. OAS1 antibody used at 0.2-1 ug/ml to detect target protein.