

anti- OAS1 antibody

Product Information

Catalog No.:	FNab05949
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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 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.

Immunogen information

Immunogen:	2',5'-oligoadenylate synthetase 1, 40/46kDa
Synonyms:	OIAS
Observed MW:	48 kDa
UniprotID :	P00973

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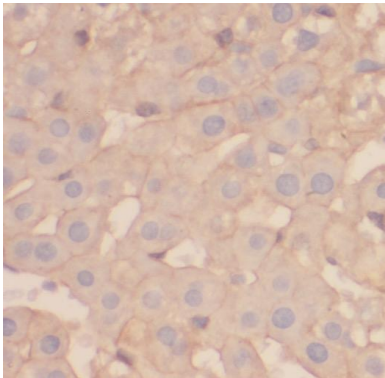
Application

Reactivity: Human, Mouse, Rat

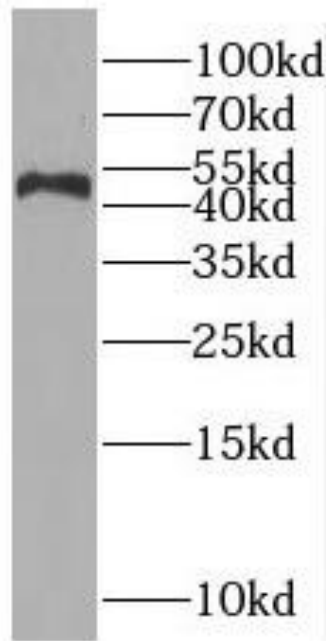
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human liver tissue slide using FNab05949(OAS1 Antibody) at dilution of 1:200



HeLa cells were subjected to SDS PAGE followed by western blot with FNab05949(OAS1 antibody) at dilution of 1:500

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