

	<h1>OAS1 Rabbit pAb</h1>	E 2 5 0 2 5 3 0
--	--------------------------	--------------------------------------

Swiss-Prot No.:	P00973
Altername:	OAS1
Storage/Stability:	Store at -20°C. Avoid freeze / thaw cycles.
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-364 of human OAS1 (NP_002525.2).
Purification:	Affinity purified
Reactivity:	Human,Mouse
Other Names:	OIAS; IFI-4; OIASI; E18/E16
Cellular localization:	Cytoplasm, Endoplasmic reticulum, Microsome, Mitochondrion, Nucleus, Secreted
Relevance:	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

For Research Use Only

	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.
Source:	Rabbit
Antibody type:	Polyclonal antibody
Isotype:	Rabbit IgG
Molecular Weight:	40kDa
Preservative:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Recommended Dilutions:	WB 1:500 - 1:2000; IF 1:50 - 1:100 (Optimal dilutions should be determined by the end user)