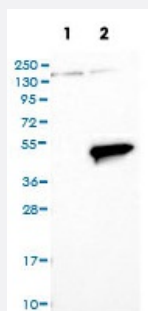


OAS1 polyclonal antibody

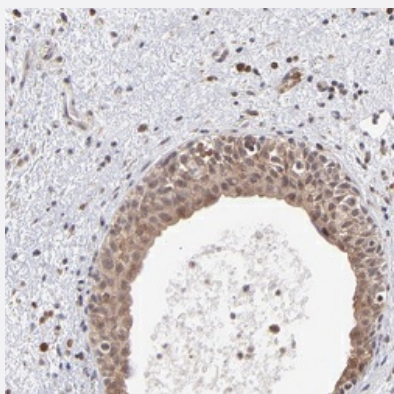
Catalog # PAB31013 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) Negative control (vector only transfected HEK293T lysate), and (2) Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human urinary bladder shows strong cytoplasmic positivity in urothelial cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human OAS1.
Immunogen	Recombinant protein corresponding to human OAS1.
Sequence	VFLSPLTTFQDQLNRRGEFIQEIRRQLEACQRERAFSVKFEVQAPRWGNPRALSFLVSSQLQGEG VEFDVLPALFDALGQLTGGYKPNPQYVKLIEECTDLQKEGEFSTCFTELQRDFLKQRPTKLKSLIRL VKHWYQNCKK
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200) Western Blot (1:100-250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — OAS1

Entrez GeneID	4938
Protein Accession#	P00973
Gene Name	OAS1
Gene Alias	IFI-4, OIAS, OIASI
Gene Description	2',5'-oligoadenylate synthetase 1, 40/46kDa
Omim ID	164350 222100
Gene Ontology	Hyperlink

Gene Summary

This gene encodes 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 a deoxyribose 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 degradation and the inhibition of viral replication. The three known members of this gene family are located in a cluster on chromosome 12. Mutations in this gene have been associated with host susceptibility to viral infection. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]

Other Designations

(2'-5') oligoadenylate synthetase 1|2',5'-oligo A synthetase 1|2',5'-oligoadenylate synthetase 1|2',5'-oligoadenylate synthetase 1 (40-46 kD)|2'-5' oligoadenylate synthetase 1 p48 isoform|2'-5' oligoadenylate synthetase 1 p52 isoform|2'-5'-oligoisoadenylate synthetase 1

Disease

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Multiple Sclerosis](#)
- [Ovarian Neoplasms](#)
- [Severe Acute Respiratory Syndrome](#)
- [West Nile Fever](#)