

DNAXPAb

Hard-to-Find
Antibody

OAS1 DNAXPab

Catalog # H00004938-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human OAS1 DNA using DNAX™ Immune technology.

Technology [DNAX™ Immune](#)

Immunogen Full-length human DNA

Sequence MMDLRNTPAKSLDKFIEDYLLPDTCFRMQINHAIDICGFLKERCFRGSSYPVCVSKVVKGGSSGK
GTTLRGRSDADLVVFLSPLTTFQDQLNRRGEFIQEIRRQLEACQRERAFSVKFEVQAPRWGNPRA
LSFVLSSLQLGEGVEFDVLPAFDALGQLTGGYKPNPQIVKLIIECTDLQKEGEFSTCFTELQRDF
LKQRPTKLKSLIRLVKHWYQNCKKKLGKLPPQYALELLTVYAWERGSMKTHFNTAQGFRTVLELVI
NYQQLCIYWTKYDFKNPIIEKYLRRLTKPRPVILDPADPTGNLGGGDPKGWRQLAQEA EAWLNY
PCFKNWDGSPVSSWILLAESNSADDETDDPRRYQKYGYIGTHEYPHFSHRPSTLQAASTPQAEEDWTCTIL

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — OAS1

Entrez GeneID [4938](#)

GeneBank Accession# [NM_016816.2](#)

Protein Accession# [NP_058132.2](#)

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 deinosine 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'-oligoisoadenyla

Disease

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- [Multiple Sclerosis](#)
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