

OAS2 mouse monoclonal antibody (hybridoma)

Catalog # H00004939-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant OAS2.
Immunogen	OAS2 (NP_002526.2, 1 a.a. ~ 687 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MNGESQLSSVPAQKLGWFIQEYLKPYEECQTLIDEMVNTICDVLQEPEQFPLVQGVAIGGSYGR KTVLRGNSDGTLLVFFSDLKQFQDQKRSQRDILDKTGDCLKFCLFTKWLKNNFEIQSLDGFTIQV FTKNQRISFEVLAAFNALSLNDNPSPWYRELKRSLDKTNASPGFAVCFTELQQKFFDNRPGL KDLILLIKHWHQQCQKKIKDLPSLSPYALELLTVYAWEQGCRKDNFDIAEGVRTVLELIKCEKLCIY WMVNYNFEDETIRNILLHQLQSARPVILDPVDPTNNVSGDKICWQWLKKEAQTWLTSPNLDNELP APSWNVLPAPLFTTPGHLLDKFIKEFLQPNKCFLEQIDSAVNIIRTLKENCFRQSTAKIQIVRGGST AKGTALKTGSDADLVVFHNSLSKSYTSQKNERHKMKVEIHEQLKAFWREKEEELEVSFEPPKWKAP RVLSFSLKSKVLNESVSFVDVLPAPNALGQLSSGSTPSPEVYAGLIDLYKSSDLPGGFSTCFTVL QRNFIRSPTKLKDLIRLVKHWEKCEKRLKPKGSLPPKYALELLTIYAWEQSGVPDFDTAEGFR TVLELVTQYQQLCIFWKVNYNFEDETVRKFLLSQLQKTRPVILDPAEPTGDVGGGDRWCWHLLAK EAKEWLSSPCFKDGTGNPIPPWKVPVKVI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (62); Rat (60)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — OAS2

Entrez GeneID [4939](#)

GeneBank Accession# [NM_002535.2](#)

Protein Accession# [NP_002526.2](#)

Gene Name OAS2

Gene Alias MGC78578

Gene Description 2'-5'-oligoadenylate synthetase 2, 69/71kDa

Omim ID [603350](#)

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 deosine 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. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]

Other Designations (2'-5')oligo(A) synthetase 2|2'-5'-oligoadenylate synthetase 2|2'-5'-oligoadenylate synthetase 2 (69-71 kD)|2'5' oligoadenylate synthetase 2|2-5A synthetase 2

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)