

# OAS2 rabbit monoclonal antibody

Catalog # H00004939-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human OAS2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human OAS2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human OAS2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — OAS2

Entrez GeneID	<a href="#">4939</a>
GeneBank Accession#	<a href="#">OAS2</a>
Gene Name	OAS2
Gene Alias	MGC78578
Gene Description	2'-5'-oligoadenylate synthetase 2, 69/71kDa
Omim ID	<a href="#">603350</a>
Gene Ontology	<a href="#">Hyperlink</a>
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. 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](#)