

Product datasheet for **CF802772**

OAS2 Mouse Monoclonal Antibody [Clone ID: OTI6E6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI6E6
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 60-335 of human OAS2 (NP_002526) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78.6 kDa
Gene Name:	Homo sapiens 2'-5'-oligoadenylate synthetase 2 (OAS2), transcript variant 2, mRNA.
Database Link:	NP_002526 Entrez Gene 4939 Human P29728



[View online »](#)

Background:

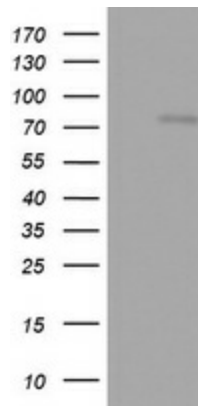
This gene encodes a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses adenosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As). 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, Jul

Synonyms:

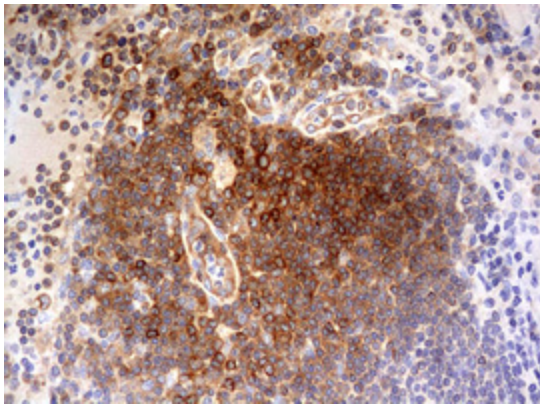
MGC78578

Protein Families:

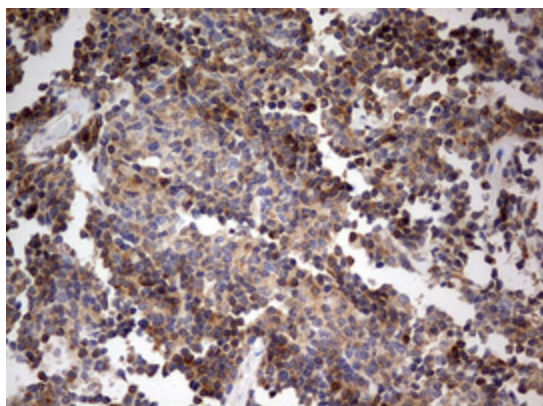
Druggable Genome

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY OAS2 (Cat# [RC208273], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-OAS2 (Cat# [TA802772]). Positive lysates [LY400905] (100ug) and [LC400905] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-OAS2 mouse monoclonal antibody. ([TA802772]) Dilution: 1:150



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-OAS2 mouse monoclonal antibody. ([TA802772])
Dilution: 1:150