

## Product datasheet for **TA802886S**

### **OAS2 Mouse Monoclonal Antibody [Clone ID: OTI3D4]**

#### **Product data:**

|                         |                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                   |
| Clone Name:             | OTI3D4                                                                                                               |
| Applications:           | WB                                                                                                                   |
| Recommended Dilution:   | WB 1:2000                                                                                                            |
| Reactivity:             | Human                                                                                                                |
| Host:                   | Mouse                                                                                                                |
| Isotype:                | IgG2b                                                                                                                |
| Clonality:              | Monoclonal                                                                                                           |
| Immunogen:              | Human recombinant protein fragment corresponding to amino acids 60-335 of human OAS2 (NP_002526) produced in E.coli. |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                 |
| Concentration:          | 1 mg/ml                                                                                                              |
| 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:              | 2'-5'-oligoadenylate synthetase 2                                                                                    |
| Database Link:          | <a href="#">NP_002526</a><br><a href="#">Entrez Gene 4939 Human</a><br><a href="#">P29728</a>                        |



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**Background:**

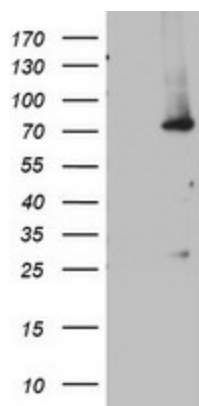
This gene encodes a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses adenosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As). 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 (Left lane) or pCMV6-ENTRY OAS2 ([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. Positive lysates [LY400905] (100ug) and [LC400905] (20ug) can be purchased separately from OriGene.