

Product datasheet for **TA349422S**

OAS2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: A375, RAW264.7, MC3T3-E1 cell lysates IHC: 50-200 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human OAS2
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	82 kDa
Gene Name:	2'-5'-oligoadenylate synthetase 2
Database Link:	NP_002526 Entrez Gene 4939 Human P29728



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Background:

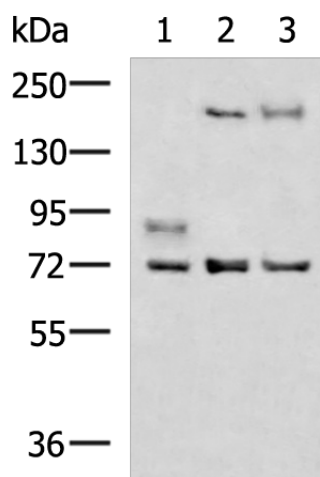
This gene encodes a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses adenosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As).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

Synonyms:

MGC78578

Protein Families:

Druggable Genome

Product images:


Gel: 6%SDS-PAGE

Lysate: 40 µg

Lane 1-3: A375

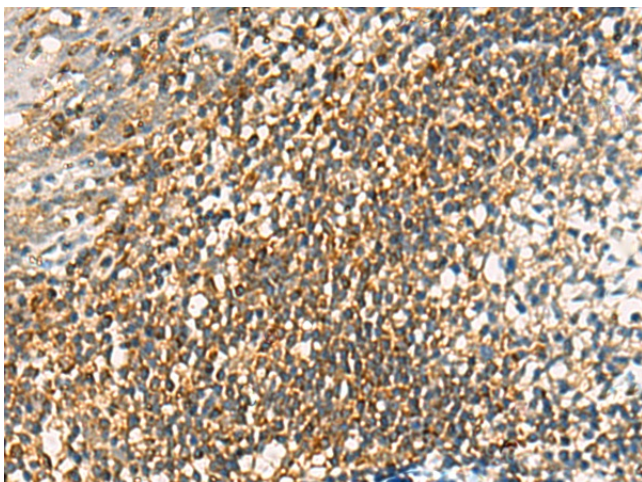
RAW264.7

MC3T3-E1 cell lysates

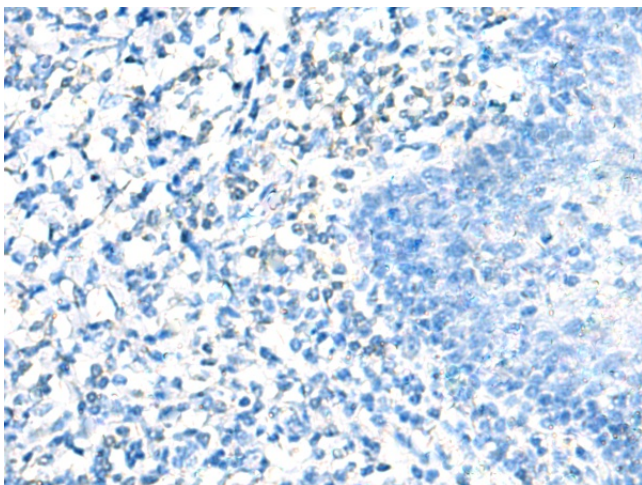
Primary antibody: [TA349422] (OAS2 Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

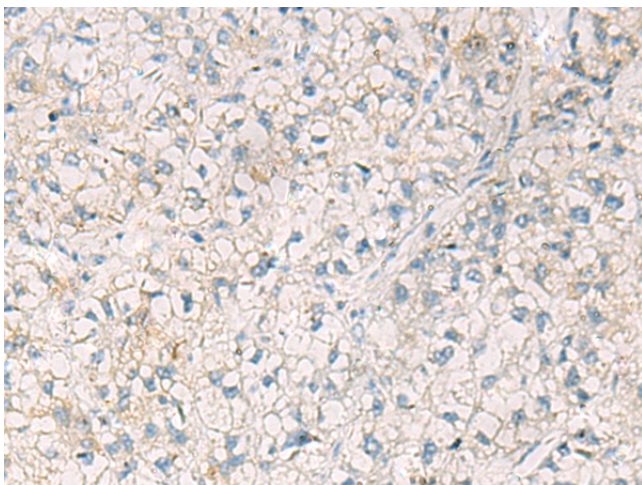
Exposure time: 3 minutes



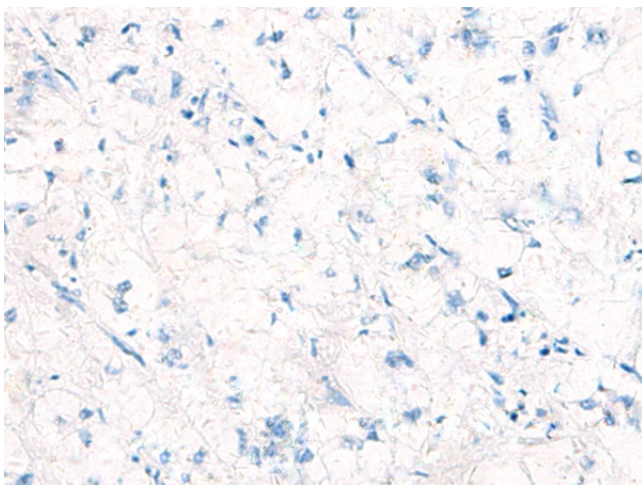
Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA349422] (OAS2 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA349422] (OAS2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA349422] (OAS2 Antibody) at dilution 1/50 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA349422] (OAS2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: x200)