

Product datasheet for **TA349422**

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
Concentration:	lot specific
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:

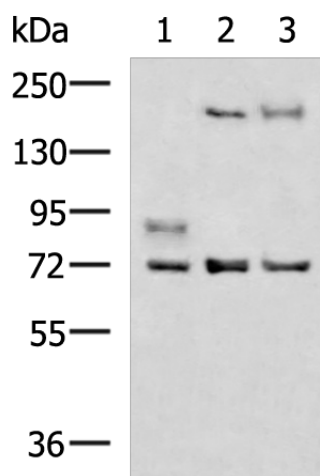
This gene encodes a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses adenosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As).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

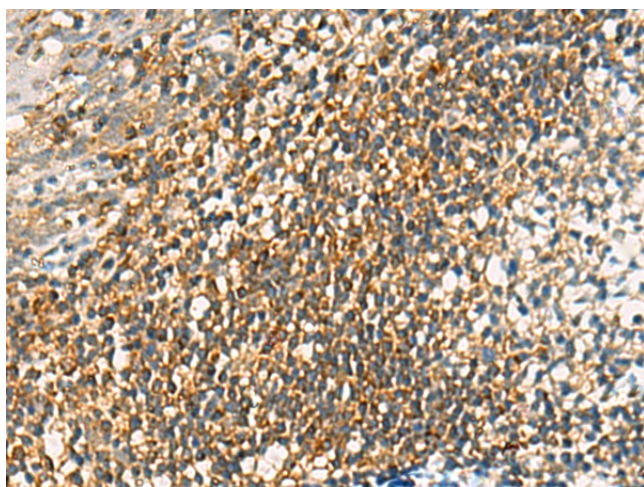
MGC78578

Protein Families:

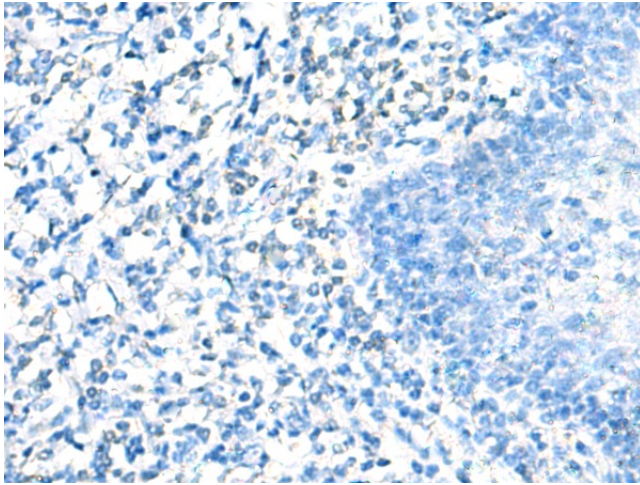
Druggable Genome

Product images:


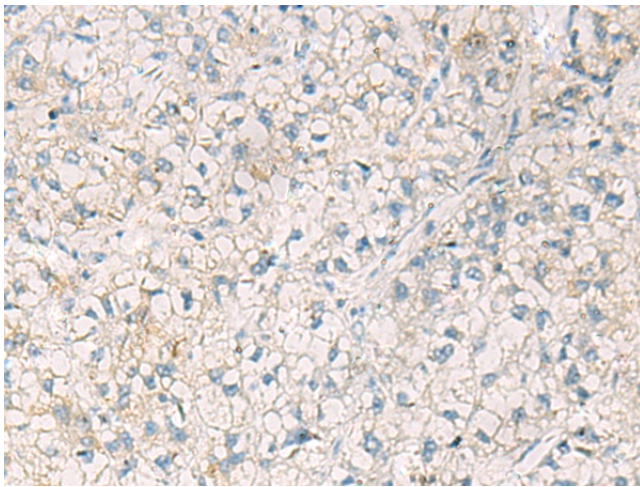
Gel: 6%SDS-PAGE
 Lysate: 40 µg
 Lane 1-3: A375
 RAW264.7
 MC3T3-E1 cell lysates
 Primary antibody: TA349422 (OAS2 Antibody) at dilution 1/300
 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
 Exposure time: 3 minutes



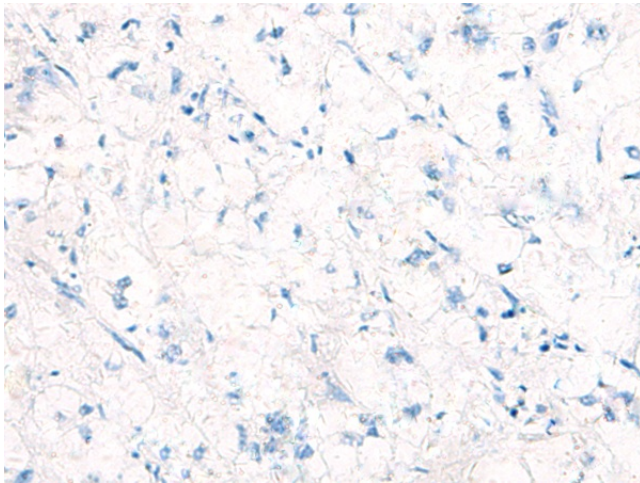
Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA349422 (OAS2 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA349422 (OAS2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)



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



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA349422 (OAS2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)