

Product Name: OAS2 Rabbit Polyclonal Antibody
Catalog #: APRab15078



Summary

Production Name	OAS2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	OAS2
Alternative Names	OAS2; 2'-5'-oligoadenylate synthase 2; (2-5')oligo(A) synthase 2; 2-5A synthase 2; p69 OAS / p71 OAS; p69OAS / p71OAS
Gene ID	4939.0
SwissProt ID	P29728.The antiserum was produced against synthesized peptide derived from the N-terminal region of human OAS2. AA range:61-110

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC-p: 1:100-1:300. ELISA: 1:20000..
Molecular Weight	82kD

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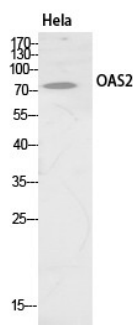


Background

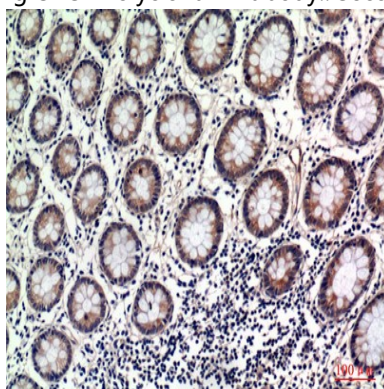
2'-5'-oligoadenylate synthetase 2(OAS2) Homo sapiens This gene encodes a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses adenosine triphosphate in γ -specific nucleotidyl transfer reactions to synthesize γ ,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 2008],catalytic activity: Binds double-stranded RNA and polymerizes ATP into PPP(A₂'P₅'A)_N oligomers, which activate the latent RNase L that, when activated, cleaves single-stranded RNAs.,function: May play a role in mediating resistance to virus infection, control of cell growth, differentiation, and apoptosis.,induction: By interferons.,similarity: Belongs to the 2-5A synthetase family.,subcellular location: Associated with different subcellular fractions such as mitochondrial, nuclear, and rough/smooth microsomal fractions.,subunit: Homodimer.,

Research Area

Image Data

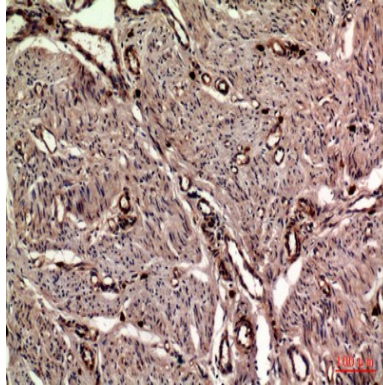


Western Blot analysis of HeLa cells using OAS2 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-uterus, antibody was diluted at 1:100

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Note

For research use only.