

## OAS2 Polyclonal Antibody

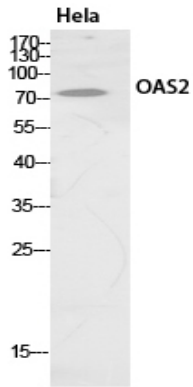
<b>Catalog No :</b>	YT5536
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	OAS2
<b>Fields :</b>	>>NOD-like receptor signaling pathway;>>Hepatitis C;>>Measles;>>Influenza A;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Coronavirus disease - COVID-19
<b>Gene Name :</b>	OAS2
<b>Protein Name :</b>	2'-5'-oligoadenylate synthase 2
<b>Human Gene Id :</b>	4939
<b>Human Swiss Prot No :</b>	P29728
<b>Mouse Gene Id :</b>	246728
<b>Mouse Swiss Prot No :</b>	E9Q9A9
<b>Rat Gene Id :</b>	363938
<b>Rat Swiss Prot No :</b>	Q5MYU0
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the N-terminal region of human OAS2. AA range:61-110
<b>Specificity :</b>	OAS2 Polyclonal Antibody detects endogenous levels of OAS2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200

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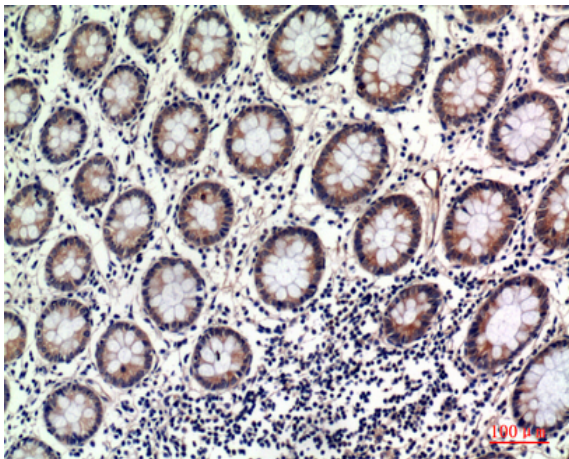
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	82kD
<b>Background :</b>	2'-5'-oligoadenylate 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 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 2008],
<b>Function :</b>	catalytic activity: Binds double-stranded RNA and polymerizes ATP into PPP(A <sub>2</sub> P <sub>5</sub> 'A) <sub>N</sub> 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.,
<b>Subcellular Location :</b>	Cytoplasm . Cytoplasm, perinuclear region .
<b>Expression :</b>	Blood,Colon,Testis,Uterus,

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## Products Images



Western Blot analysis of HeLa cells using OAS2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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