



# OAS2 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-02880
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	OAS2
<b>Protein Name</b>	2'-5'-oligoadenylate synthase 2
<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>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	OAS2; 2'-5'-oligoadenylate synthase 2; (2-5')oligo(A) synthase 2; 2-5A synthase 2; p69 OAS / p71 OAS; p69OAS / p71OAS
<b>Observed Band</b>	82kD
<b>Cell Pathway</b>	Cytoplasm . Cytoplasm, perinuclear region .
<b>Tissue Specificity</b>	Blood,Colon,Testis,Uterus,
<b>Function</b>	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.,
<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'-5'-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],

**matters needing attention**

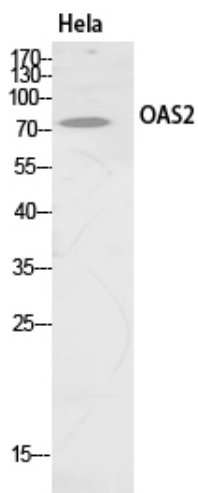
Avoid repeated freezing and thawing!

**Usage suggestions**

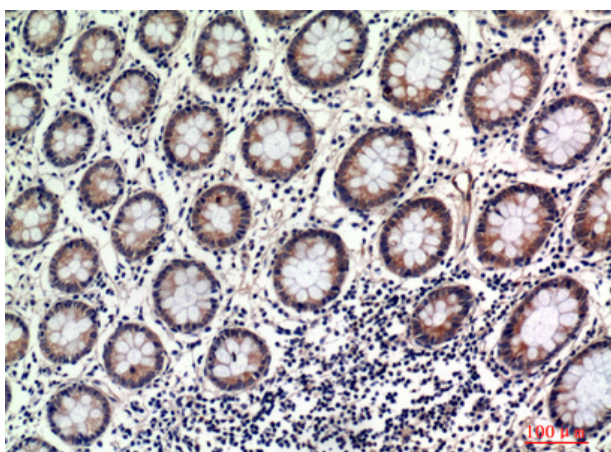
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



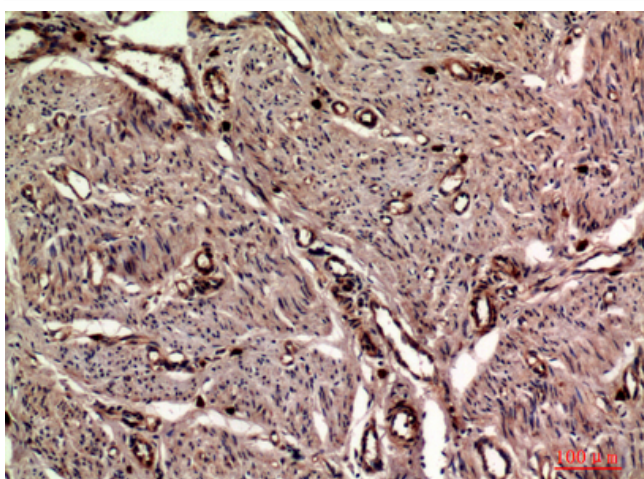
## Products Images



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



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