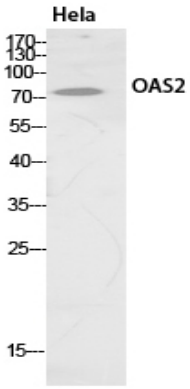
Immunoway
Best Tools for immunology Research

OAS2 Polyclonal Antibody

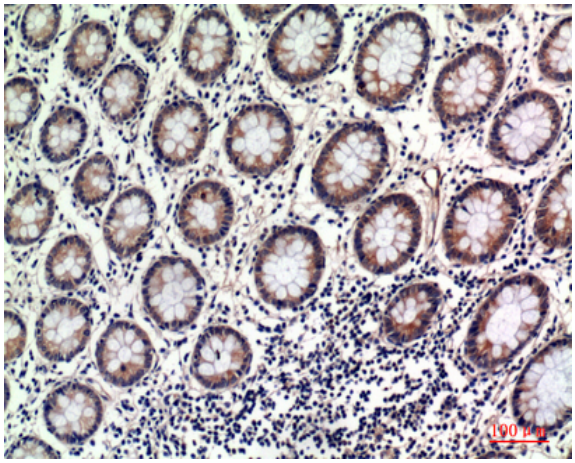
Catalog No :	YT5536
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	OAS2
Fields :	>>NOD-like receptor signaling pathway;>>Hepatitis C;>>Measles;>>Influenza A;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Coronavirus disease - COVID-19
Gene Name :	OAS2
Protein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

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	82kD
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 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],
Function :	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.,
Subcellular Location :	Cytoplasm . Cytoplasm, perinuclear region .
Expression :	Blood,Colon,Testis,Uterus,
Sort :	11025
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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