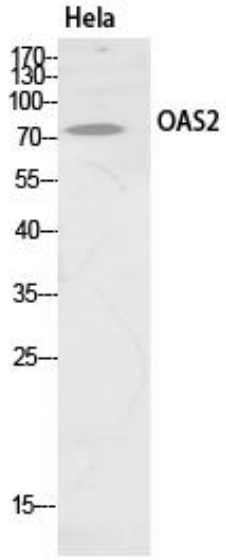
OAS2 Monoclonal Antibody

Catalog No	YP-mAb-02880
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	OAS2
Protein Name	2'-5'-oligoadenylate synthase 2
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human OAS2. AA range:61-110
Specificity	OAS2 Monoclonal Antibody detects endogenous levels of OAS2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	OAS2; 2'-5'-oligoadenylate synthase 2; (2-5')oligo(A) synthase 2; 2-5A synthase 2; p69 OAS / p71 OAS; p69OAS / p71OAS
Observed Band	82kD
Cell Pathway	Cytoplasm . Cytoplasm, perinuclear region .
Tissue Specificity	Blood,Colon,Testis,Uterus,
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.,
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],
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 various cells using OAS2 Monoclonal Antibody