



## Rabbit Anti-OAS3 antibody

SL7344R

<b>Product Name:</b>	OAS3
<b>Chinese Name:</b>	2'-5'-寡腺苷酸合成酶3抗体
<b>Alias:</b>	(2-5")oligo(A) synthase 3; 2 5' oligo(A) synthetase 3; 2 5'LIGO; 2 5A synthetase 3; 2"-5"-oligoadenylate synthase 3; 2-5A synthase 3; MGC133260; OAS3 2' 5' oligoadenylate synthetase 3, 100kDa; OAS3; OAS3 HUMAN; p100; p100 OAS; p100OAS.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	121kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human OAS3:901-1000/1087
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The 2'- 5'- oligoadenylate synthetase (OAS) family is comprised of four members: OAS1, OAS2, OAS3 and OASL. These proteins are induced by interferons and function to convert ATP into 2'- 5'- linked oligomers of adenosine in the presence of double-stranded RNA and magnesium ions. Copper, iron and zinc ions strongly inhibit the OAS enzymatic activity, while manganese ions can replace magnesium ions as an activator.

The OAS family plays a significant role in the inhibition of cellular protein synthesis, apoptosis and growth, and its members are important factors in viral infection resistance. OAS3, also referred to as p100, contains three adjacent OAS1-like domains and maps to the human chromosome 12q24.2

**Function:**

May play a role in mediating resistance to virus infection, control of cell growth, differentiation, and apoptosis. OAS3 synthesizes preferentially dimeric 2',5'-oligoadenylate molecules. GTP can be an alternative substrate.

**Tissue Specificity:**

Present at high level in placenta trophoblast.

**Similarity:**

Belongs to the 2-5A synthase family.

**SWISS:**

Q9Y6K5

**Gene ID:**

4940

**Database links:**

[Entrez Gene: 4940](#)Human

[Omim: 603351](#)Human

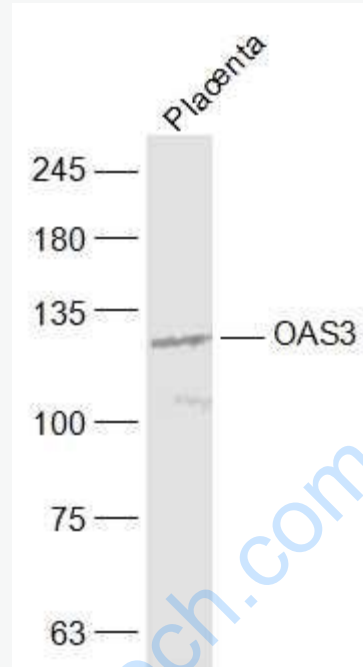
[SwissProt: Q9Y6K5](#)Human

[Unigene: 528634](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

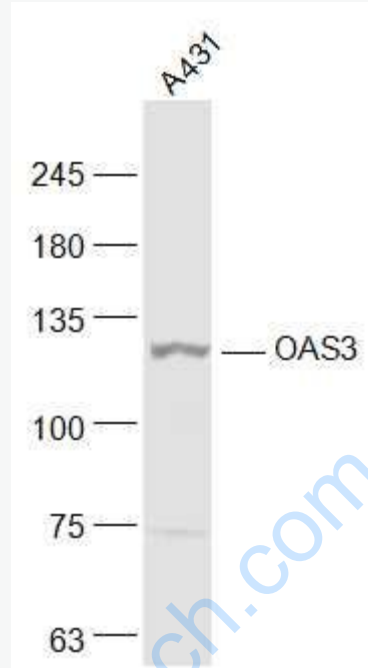
Placenta (Mouse) Lysate at 40 ug

Primary: Anti-OAS3 (SL7344R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 121 kD

Observed band size: 121 kD



Sample:

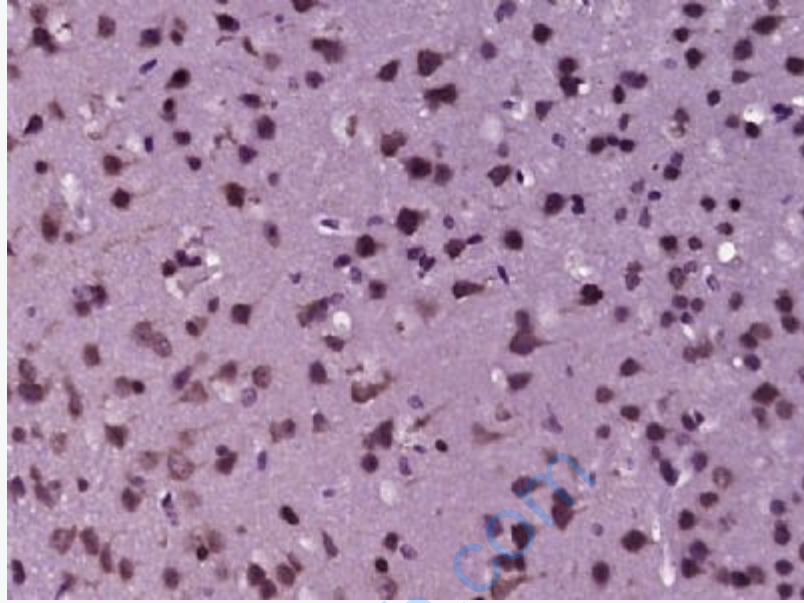
A431(Human) Cell Lysate at 30 ug

Primary: Anti-OAS3 (SL7344R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 121 kD

Observed band size: 121 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (OAS3) Polyclonal Antibody, Unconjugated (SL7344R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.