



Rabbit Anti-ENOSF1 antibody

SL13070R

Product Name:	ENOSF1
Chinese Name:	烯醇化酶超家族成员1抗体
Alias:	Enolase superfamily member 1; ENOSF 1; HSRTSBETA; RTS alpha; RTS; RTS beta; RTS beta protein; TYMSAS;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Dog,Rabbit,
Applications:	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.
Molecular weight:	50kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ENOSF1:351-443/443
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	The rTS gene codes for a naturally occurring antisense RNA to thymidylate synthase (TS) mRNA and two proteins (rTSalpha and rTSbeta (also known as ENOSF1)). The role of the major protein product of rTS, ENOSF1 has been linked to alterations in TS protein expression, but the precise function of ENOSF1 is unknown. Expression of rTS is associated with growth arrest in cell culture, but its overexpression has been noted in cells resistant to anticancer drugs such as 5-fluorouracil and methotrexate. Studies have

shown that increased expression of ENOSF1 is associated with the decrease in TS protein expression due to production of novel, diffusible signal molecules.

Function:

May regulate thymidylate synthase activity.

Subcellular Location:

Mitochondrial.

Post-translational modifications:

Could be sumoylated.

Similarity:

Belongs to the mandelate racemase/muconate lactonizing enzyme family. ENOSF1 subfamily.

SWISS:

Q7L5Y1

Gene ID:

55556

Database links:

[Entrez Gene: 615106](#)Cow

[Entrez Gene: 480185](#)Dog

[Entrez Gene: 100146163](#)Horse

[Entrez Gene: 55556](#)Human

[Entrez Gene: 100341613](#)Rabbit

[SwissProt: Q7L5Y1](#)Human

[Unigene: 658550](#)Human

[Unigene: 731510](#)Human

[Unigene: 732707](#)Human

Important Note:

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