



Rabbit Anti-TOR3A/ADIR2 antibody

SL16611R

Product Name:	TOR3A/ADIR2
Chinese Name:	ATP依赖的Interferon反应蛋白1抗体
Alias:	ADIR; ADIR2; ATP dependant interferon response protein 1; ATP dependant interferon responsive; ATP dependent interferon responsive protein; ATP-dependent interferon-responsive protein; FLJ22345; MGC111104; Tor3a; TOR3A_HUMAN; torsin 3A; Torsin family 3 member A; torsin family 3, member A; Torsin-3A torsin family 3, member A; Torsin3A;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
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:	43kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TOR3A:311-397/397
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:	Torsin3A is a 397 amino acid member of the clpA/clpB family of proteins. Localized to the cytoplasm and the endoplasmic reticulum, Torsin3A is most highly expressed in stomach, lymph nodes and salivary glands. Torsin3A contains a hydrophobic N-terminal

sequence, an ATP binding domain and 8 putative phosphorylation sites. Highly homologous with TorsinA and TorsinB, Torsin3A is thought to be related to the AAA chaperone-like family of ATPases. Members of this family play a role in the assembly, disassembly and operation of a variety of protein complexes, confer increased tolerance to high temperature and promote specific proteolysis. Torsin3A is also referred to as an interferon responsive gene, as interaction with type 1 interferons (IFN-alpha and IFN-beta) cause a 5 to 40 fold increase in Torsin3A mRNA levels. Three isoforms of Torsin3A exist as a result of alternative splicing events, and isoform 2 is expressed exclusively in the placenta

Subcellular Location:

Cytoplasm. Endoplasmic reticulum.

Tissue Specificity:

Ubiquitously expressed. Highest expression in stomach, salivary glands and lymph nodes. Isoform 2 is expressed in placenta.

Similarity:

Belongs to the clpA/clpB family. Torsin subfamily.

SWISS:

Q9H497

Gene ID:

64222

Database links:

[Entrez Gene: 64222](#) Human

[Entrez Gene: 30935](#) Mouse

[Entrez Gene: 304884](#) Rat

[Omim: 607555](#) Human

[SwissProt: Q9H497](#) Human

[SwissProt: Q9ER38](#) Mouse

[SwissProt: Q5M936](#) Rat

[Unigene: 584957](#) Human

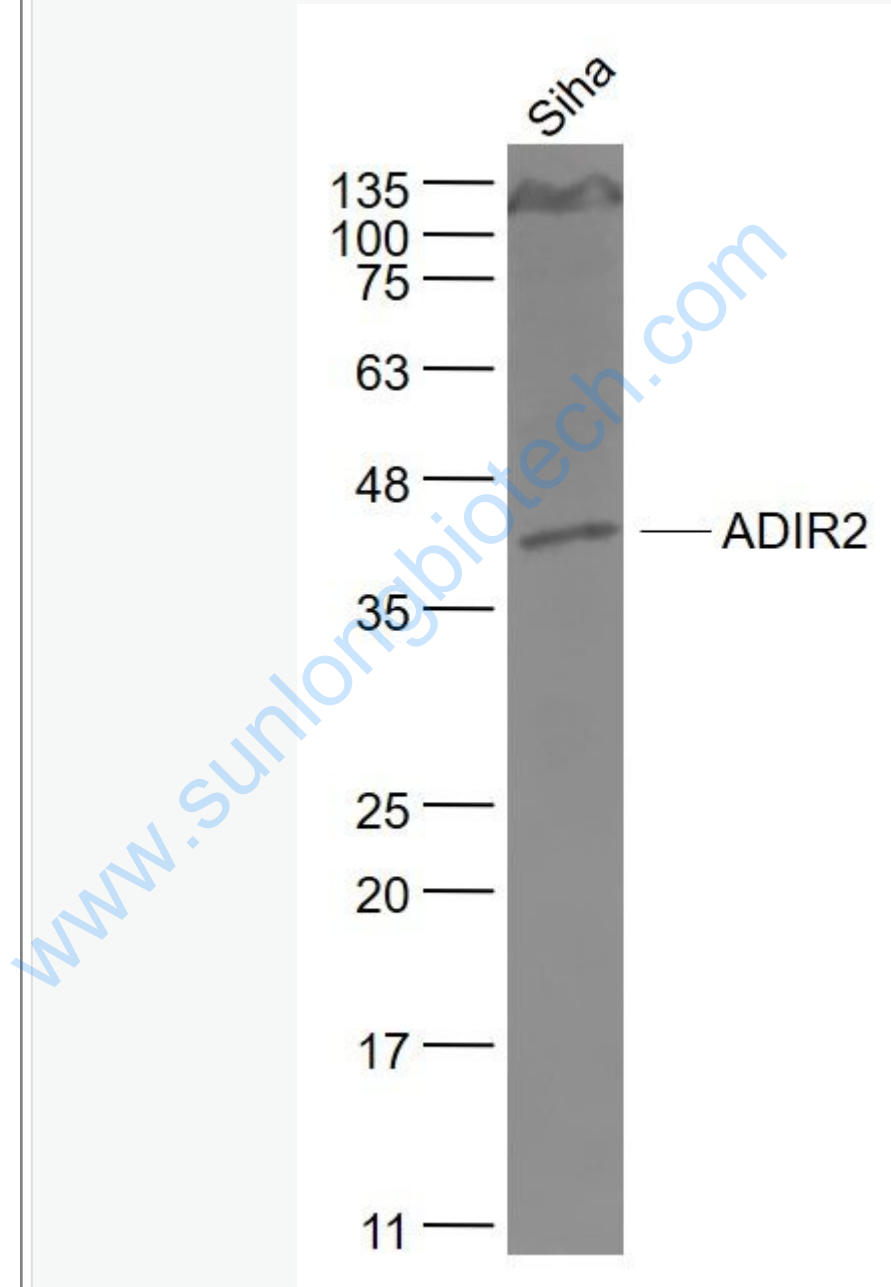
[Unigene: 206737](#) Mouse

[Unigene: 2164](#) Rat

Important Note:

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

Picture:



Sample:

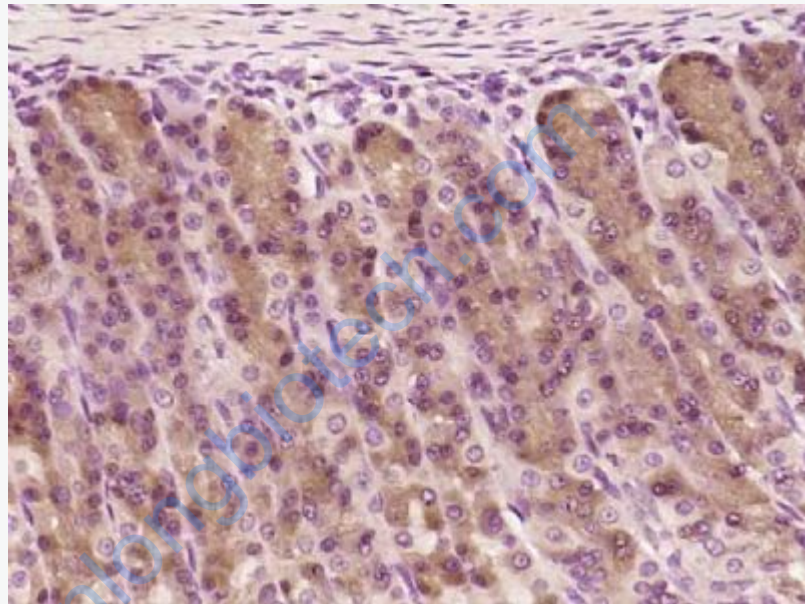
Siha(Human) Cell Lysate at 30 ug

Primary: Anti- TOR3A/ADIR2 (SL16611R) at 1/1000 dilution

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

Predicted band size: 43 kD

Observed band size: 43 kD



Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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 (TOR3A) Polyclonal Antibody, Unconjugated (SL16611R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.