10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TOR3A/ADIR2 Rabbit pAb

Catalog # AP98115

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H497
Other Accession	Q9H497
Reactivity	Rat, Human
Predicted	Pig, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46199
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TOR3A
Epitope Specificity	311-397/397
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the clpA/clpB family. Torsin subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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

Additional Information

Gene ID	64222
Other Names	ADIR; ADIR2; TOR3A_HUMAN; TOR3A; ATP-dependent interferon-responsive protein; Torsin family 3 member A; TOR3A_MOUSE; TOR3A_RAT; ATP-dependant interferon responsive; torsin family 3, member A
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	TOR3A
Synonyms	ADIR
Cellular Location	Cytoplasm. Endoplasmic reticulum lumen.
Tissue Location	Ubiquitously expressed. Highest expression in stomach, salivary glands and lymph nodes. Isoform 2 is expressed in placenta.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.