

TOR3A/ADIR2 Rabbit pAb

Catalog # AP98115

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H497
Other Accession	Q9H497
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'.