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Torsin B Rabbit pAb

Catalog # AP97114

Product Information

Application	WB
Primary Accession	O14657
Other Accession	O14657
Reactivity	Mouse
Predicted	Rat, Human, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37979
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Torsin B
Epitope Specificity	281-336/336
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	TorsinB is a 336 amino acid protein that localizes to the lumen of endoplasmic reticulum and belongs to the Torsin family. Expressed in a variety of tissues with particularly high levels in adult brain, TorsinB is thought to function as a molecular chaperone that assists in the conformational folding of membrane and secreted proteins. Via its ability to regulate protein folding, TorsinB plays a key role in postnatal developmental events and is essential for proper neurological development. TorsinB contains two PKC (protein kinase C) phosphorylations sites, one ATP binding domain and several conserved cysteines and shares 69% amino acid identity with TorsinA, a related family member. Defects in the gene encoding TorsinB are associated with torsion dystonia, an autosomal dominant neurological disorder that is characterized by debilitating muscle contractions throughout the body.

Additional Information

Gene ID	27348
Other Names	DQ1; 2610016F05Rik; torsinB; TOR1B_HUMAN; TOR1B; Torsin ATPase-1B; Torsin family 1 member B; TOR1B_MOUSE; torsin family 1, member B (torsin B); torsin B
Dilution	WB=1:500-2000
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	TOR1B
Synonyms	DQ1
Function	May serve as a molecular chaperone assisting in the proper folding of secreted and/or membrane proteins. Plays a role in non- neural cells nuclear envelope and endoplasmic reticulum integrity. May have a redundant function with TOR1A in non-neural tissues.
Cellular Location	Endoplasmic reticulum lumen. Nucleus membrane
Tissue Location	Widely expressed with low levels in brain.

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