SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-Torsin B antibody

Catalog Number: SL11491R

FOR RESEARCH USE ONLY

[DATASHEET]

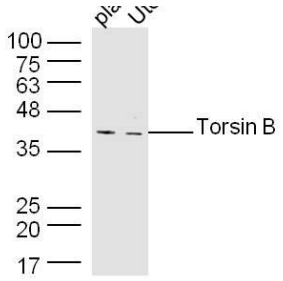
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Torsin B
Immunogen:	KLH conjugated synthetic peptide derived from human Torsin B: 281-336/336
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, (predicted: Human, Rat, Dog, Cow, Horse, Sheep)
Predicted MW.:	36kDa
Subcellular Location:	cytoplasmic
Background:	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. **Function:** Torsins are members of the AAA(+) superfamily of ATPases and are present in all multicellular organisms. Torsin B is an ER protein involved implicated in neurogenesis, neuronal migration, axon/dendrite development

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

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	and synaptogenesis. **Subcellular Location:** Endoplasmic reticulum and nuclear envelope **Tissue Specificity:** Widely expressed with low levels in brain. Not detected in fetal brain. **Similarity:** Belongs to the clpA/clpB family. Torsin subfamily. **Database links:** **Entrez Gene:** 27348 Human **Entrez Gene:** 30934 Mouse Omim: 608050 Human **SwissProt:** O14657 Human **SwissProt:** Q9ER41 Mouse **Unigene:** 252682 Human **Unigene:** 249164 Mouse

[VALIDATION IMAGES]



Sample:
Placenta (Mouse) Lysate at 40 ug
Uterus (Mouse) Lysate at 40 ug
Primary: Anti-Torsin B (SL11491R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 36 kD
Observed band size: 40 kD

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