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Rabbit Anti-TRAPPC4 antibody

SL16585R

Product Name:	TRAPPC4
Chinese Name:	SBDN蛋白抗体
Alias:	CGI 104; Hematopoietic stem/progenitor cell protein 172; HSPC172; PTD009; SBDN; TPPC4_HUMAN; Synbindin; Trafficking protein particle complex subunit 4; TRAPPC4; TRS23; TRS23 homolog.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=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:	24kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TRAPPC4:101-200/219
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:	TRAPPC4 is a postsynaptic protein belonging to the TRAPPC4 subfamily of the TRAPP small subunits family of proteins. Expressed in neurons and localizing to the Golgi apparatus, TRAPPC4 is believed to be involved in vesicular transport from the endoplasmic reticulum (ER) to the Golgi, functioning as a component of the multisubunit transport protein particle (TRAPP) complex. Similar to other proteins

	involved in vesicular transport or synaptic function, TRAPPC4 contains a nonclassical PDZ domain, a TRAPPC1-like domain and a C-terminus that is similar to a short segment of RyR. Via its nonclassical PDZ domain, TRAPPC4 binds to the C-terminal EFYA motif of Syndecan-2, suggesting that TRAPPC4 may play an important role in dendritic spine morphogenesis through membrane-trafficking. **Function:** TRAPPC4 is part of the multisubunit TRAPP (transport protein particle) complex and interacts with SDC2. It may play a role in vesicular transport from endoplasmic reticulum to Golgi. TRAPP proteins are involved in tethering during vesicle transport. **Subunit:** Component of the multisubunit TRAPP (transport protein particle) complex, which includes at least TRAPPC2, TRAPPC2L, TRAPPC3, TRAPPC3L, TRAPPC4, TRAPPC5, TRAPPC8, TRAPPC9, TRAPPC10, TRAPPC11 and TRAPPC12. Interacts with SDC2 (By similarity). **Subcellular Location:** Endoplasmic reticulum and Golgi Apparatus **Similarity:** Golgi apparatus, cis-Golgi network (By similarity). Endoplasmic reticulum (By similarity). Belongs to the TRAPP small subunits family. TRAPPC4 subfamily. **SWISS:** Q9Y296 **Gene ID:** 51399 **Database links:** Entrez Gene: 51399 Human Entrez Gene: 60409 Mouse Entrez Gene: 367073 Rat Omim: 610971 Human SwissProt: Q9Y296 Human SwissProt: Q9ES56 Mouse SwissProt: Q69BT7 Rat

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