

C1orf84 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55781

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q5T011
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	378029

Additional Information

Gene ID	23334
Other Names	KICSTOR complex protein SZT2, Seizure threshold 2 protein homolog {ECO:0000312 HGNC:HGNC:29040}, SZT2 (HGNC:29040)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	SZT2 (HGNC:29040)
Function	As part of the KICSTOR complex functions in the amino acid- sensing branch of the TORC1 signaling pathway. Recruits, in an amino acid-independent manner, the GATOR1 complex to the lysosomal membranes and allows its interaction with GATOR2 and the RAG GTPases. Functions upstream of the RAG GTPases and is required to negatively regulate mTORC1 signaling in absence of amino acids. In absence of the KICSTOR complex mTORC1 is constitutively localized to the lysosome and activated. The KICSTOR complex is also probably involved in the regulation of mTORC1 by glucose (PubMed: 28199306 , PubMed: 28199315). May play a role in the cellular response to oxidative stress (By similarity).
Cellular Location	Lysosome membrane. Peroxisome {ECO:0000250 UniProtKB:A2A9C3}. Note=Localization to lysosomes is amino acid-independent.
Tissue Location	Expressed in the brain, predominantly in the parietal and frontal cortex, as well as in dorsal root ganglia Expressed in peripheral white blood cells

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