

**C1orf84 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55781****Specification**

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**C1orf84 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q5T011</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	378029

**C1orf84 Polyclonal Antibody - Additional Information****Gene ID** 23334**Other Names**

KICSTOR complex protein SZT2, Seizure threshold 2 protein homolog  
{ECO:0000312|HGNC:HGNC:29040}, SZT2 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=29040](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=29040))  
target="\_blank">HGNC:29040</a>)

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**C1orf84 Polyclonal Antibody - 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:<http://www.uniprot.org/citations/28199306> target="\_blank">28199306</a>, PubMed:<http://www.uniprot.org/citations/28199315> target="\_blank">28199315</a>). 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

**C1orf84 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**C1orf84 Polyclonal Antibody - Images**