

C8orf4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55924

Specification

C8orf4 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9NR00
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12337

C8orf4 Polyclonal Antibody - Additional Information

Gene ID 56892

Other Names

Transcriptional and immune response regulator {ECO:0000312|HGNC:HGNC:1357}, Thyroid cancer protein 1, TC-1, TCIM (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=1357 target="_blank">HGNC:1357), C8orf4, TC1

Format

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

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.

C8orf4 Polyclonal Antibody - Protein Information

Name TCIM ([HGNC:1357](#))

Synonyms C8orf4, TC1

Function

Seems to be involved in the regulation of cell growth and differentiation, may play different and opposite roles depending on the tissue or cell type. May enhance the WNT-CTNBB1 pathway by relieving antagonistic activity of CBY1 (PubMed:[16424001](http://www.uniprot.org/citations/16424001), PubMed:[16730711](http://www.uniprot.org/citations/16730711)). Enhances the proliferation of follicular dendritic cells (PubMed:[16730711](http://www.uniprot.org/citations/16730711)). Plays a role in the mitogen-activated MAPK2/3 signaling pathway, positively regulates G1-to-S-phase transition of the cell cycle (PubMed:[18959821](http://www.uniprot.org/citations/18959821)). In endothelial cells, enhances key inflammatory mediators and inflammatory response through the modulation of NF-kappaB transcriptional regulatory activity

(PubMed:19684084). Involved in the regulation of heat shock response, seems to play a positive feedback with HSF1 to modulate heat-shock downstream gene expression (PubMed:17603013). Plays a role in the regulation of hematopoiesis even if the mechanisms are unknown (By similarity). In cancers such as thyroid or lung cancer, it has been described as promoter of cell proliferation, G1-to-S-phase transition and inhibitor of apoptosis (PubMed:15087392, PubMed:24941347). However, it negatively regulates self-renewal of liver cancer cells via suppression of NOTCH2 signaling (PubMed:25985737).

Cellular Location

Cytoplasm. Nucleus, nucleolus. Nucleus speckle. Nucleus Note=Localizes in nucleus speckles in presence of CBY1 (PubMed:16424001). Translocates to the nucleus upon cellular stress such as H(2)O(2) (PubMed:17603013).

Tissue Location

Ubiquitous. Expressed in thyroid papillary carcinoma. Expressed in liver, expression levels decrease in hepatocellular carcinoma (PubMed:25985737). Slightly detected in normal lung, its expression is highly induced in lung cancer cells (at protein level) (PubMed:24941347).

C8orf4 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](#)

C8orf4 Polyclonal Antibody - Images