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C8orf4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55924

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9NR00
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12337

Additional Information

Gene ID	56892
Other Names	Transcriptional and immune response regulator {ECO:0000312|HGNC:HGNC:1357}, Thyroid cancer protein 1, TC-1, TCIM (HGNC:1357), C8orf4, TC1
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	TCIM (HGNC:1357)
Synonyms	C8orf4, TC1
Function	Seems to be involved in the regulation of cell growth an differentiation, may play different and opposite roles depending on the tissue or cell type. May enhance the WNT-CTNNB1 pathway by relieving antagonistic activity of CBY1 (PubMed:16424001, PubMed:16730711). Enhances the proliferation of follicular dendritic cells (PubMed: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). 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 suppresion 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).

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