

C8orf4 Rabbit pAb

CatalogNo: YN7855

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 12kD (Calculated)

Isotype

- IgG

| Recommended Dilution Ratios

WB 1:500-2000

| Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality

Polyclonal

| Immunogen Information

Immunogen

Synthesized peptide derived from human C8orf4

Specificity

This antibody detects endogenous levels of C8orf4 at Human, Mouse

| Target Information

Gene name

C8orf4 TC1

Protein Name	Uncharacterized protein C8orf4 (Thyroid cancer protein 1) (TC-1)		
	Organism	Gene ID	UniProt ID
	Human	56892;	Q9NR00;
	Mouse	69068;	Q9D915;
Cellular Localization	Cytoplasm . Nucleus, nucleolus . Nucleus speckle . Nucleus . 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 specificity	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).		
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 . Enhances the proliferation of follicular dendritic cells . Plays a role in the mitogen-activated MAPK2/3 signaling pathway, positively regulates G1-to-S-phase transition of the cell cycle . In endothelial cells, enhances key inflammatory mediators and inflammatory response through the modulation of NF-kappaB transcriptional regulatory activity . Involved in the regulation of heat shock response, seems to play a positive feedback with HSF1 to modulate heat-shock downstream gene expression . 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 . However, it negatively regulates self-renewal of liver cancer cells via suppression of NOTCH2 signaling .		

Validation Data

Contact information

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C8orf4 Rabbit pAb

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