

## 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

<b>Protein Name</b>	Uncharacterized protein C8orf4 (Thyroid cancer protein 1) (TC-1)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">56892;</a>	<a href="#">Q9NR00;</a>
	Mouse	<a href="#">69068;</a>	<a href="#">Q9D915;</a>
<b>Cellular Localization</b>	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). .		
<b>Tissue specificity</b>	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).		
<b>Function</b>	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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