

## CEP19 Rabbit pAb

CatalogNo: YN6273

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 18kD (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 CEP19

#### Specificity

This antibody detects endogenous levels of CEP19 at Human, Mouse, Rat

### | Target Information

#### Gene name

CEP19 C3orf34 HSD5

<b>Protein Name</b>	Centrosomal protein of 19 kDa		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">84984;</a>	<a href="#">Q96LK0;</a>
	Mouse	<a href="#">66994;</a>	<a href="#">Q9CQA8;</a>
	Rat	<a href="#">192229;</a>	<a href="#">Q9QZX9;</a>
<b>Cellular Localization</b>	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Cytoplasm, cytoskeleton, spindle pole . Cytoplasm, cytoskeleton, cilium basal body . Associates with the mother centriole in early interphase. Localizes to spindle poles during mitosis, and to distinct foci oriented towards the midbody at telophase (PubMed:21399614). Localizes slightly apical to the subdistal appendage on the mother centriole, but below the distal appendage (PubMed:28625565, PubMed:28659385). .		
<b>Function</b>	Required for ciliation . Recruits the RABL2B GTPase to the ciliary base to initiate ciliation. After specifically capturing the activated GTP-bound RABL2B, the CEP19-RABL2B complex binds intraflagellar transport (IFT) complex B from the large pool pre-docked at the base of the cilium and thus triggers its entry into the cilia . Involved in the early steps in cilia formation by recruiting the ciliary vesicles (CVs) to the distal end of the mother centriole where they fuse to initiate cilium assembly. Involved in microtubule (MT) anchoring to the centrosomes .		

| Validation Data

| Contact information

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