

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

Protein Name	Centrosomal protein of 19 kDa		
	Organism	Gene ID	UniProt ID
	Human	84984;	Q96LK0;
	Mouse	66994;	Q9CQA8;
	Rat	192229;	Q9QZX9;
Cellular Localization	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). .		
Function	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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