

hIST1 Rabbit pAb

CatalogNo: YN5785

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 40kD (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 hIST1

Specificity

This antibody detects endogenous levels of hIST1 at Human, Mouse, Rat

| Target Information

Gene name

IST1 KIAA0174

Protein Name	IST1 homolog (hIST1) (Putative MAPK-activating protein PM28)		
	Organism	Gene ID	UniProt ID
	Human	9798 ;	P53990 ;
	Mouse	71955 ;	Q9CX00 ;
	Rat	307833 ;	Q568Z6 ;
Cellular Localization	Cytoplasmic vesicle . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Midbody . Nucleus envelope . Localizes to centrosome and midbody of dividing cells (PubMed:19129480, PubMed:19129479, PubMed:20719964). Colocalized with SPART to the ends of Flemming bodies during cytokinesis (PubMed:20719964). Localizes to the reforming nuclear envelope on chromatin disks during late anaphase. .		
Function	ESCRT-III-like protein involved in cytokinesis, nuclear envelope reassembly and endosomal tubulation . Is required for efficient abscission during cytokinesis . Involved in recruiting VPS4A and/or VPS4B to the midbody of dividing cells . During late anaphase, involved in nuclear envelope reassembly and mitotic spindle disassembly together with the ESCRT-III complex: IST1 acts by mediating the recruitment of SPAST to the nuclear membrane, leading to microtubule severing . Recruited to the reforming nuclear envelope (NE) during anaphase by LEMD2 . Regulates early endosomal tubulation together with the ESCRT-III complex by mediating the recruitment of SPAST .		

| Validation Data

| Contact information

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hIST1 Rabbit pAb

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