

Anti-KIF18B Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted: Human, Mouse, Dog, Cow, Horse, Sheep)
Molecular Weight:	Theoretical: 94 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (rat lymphoid); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (KIF18B) Polyclonal Antibody, Unconjugated (TMAB-08036) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P, IHC-Fr, IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human KIF18B
Antigen Species:	Human
Gene ID:	146909
Uniprot ID:	Q86Y91

Research Background

The Kinesins constitute a large family of microtubule-dependent motor proteins which are responsible for the distribution of numerous organelles, vesicles and macromolecular complexes throughout the cell. Individual Kinesin members play crucial roles in cell division, intracellular transport and membrane trafficking events, including endocytosis and transcytosis. KIF18B (kinesin family member 18B) is an 864 amino acid nuclear and cytoplasmic protein that belongs to the kinesin-like protein family. Containing one kinesin-motor domain, KIF18B is dominantly expressed in amygdala. During mitosis, KIF18B is suggested to be closely associated with astral microtubules emanating from the spindle pole during prometaphase and metaphase. KIF18B may play an important role in regulating cell division. KIF18B exists as four alternatively spliced isoforms and is encoded by a gene located on human chromosome 17q21.31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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