

Anti-RCC1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Pig,Cow)
Molecular Weight:	Theoretical: 46 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Tissue/cell: human glioma carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-RCC1 Polyclonal Antibody, Unconjugated (TMAB-12165) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody 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 RCC1
Antigen Species:	Human
Gene ID:	1104
Uniprot ID:	P18754

Research Background

Ran GTPase plays important roles in nucleocytoplasmic transport in interphase and in both spindle formation and nuclear envelope (NE) assembly during mitosis. The latter functions rely on the presence of high local concentrations of GTP bound Ran near mitotic chromatin. RanGTP localization has been proposed to result from the association of Ran's GDP/GTP exchange factor, RCC1, with chromatin, but Ran is shown here to bind directly to chromatin in two modes, either dependent or independent of RCC1, and, where bound, to increase the affinity of chromatin for NE membranes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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