RAN Antibody

Catalog No: #32104

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	RAN Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total RAN protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human RAN.
Target Name	RAN
Other Names	RAN; ARA24; Gsp1; TC4;
Accession No.	Swiss-Prot:P62826NCBI Gene ID:5901
SDS-PAGE MW	25KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

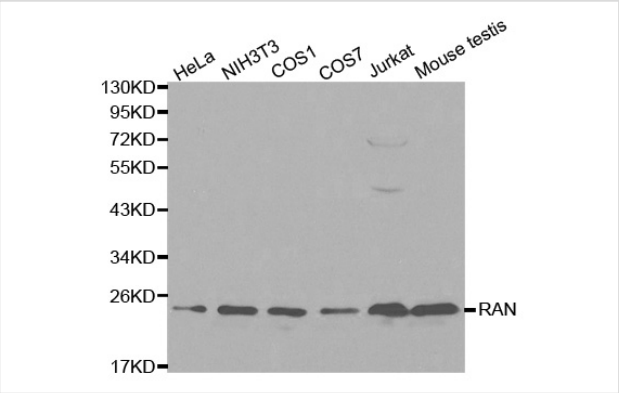
Application Details

Western blotting: 1:500 - 1:2000

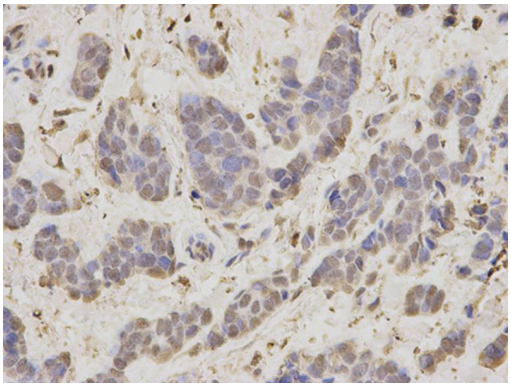
Immunohistochemistry: 1:50 - 1:100

Immunofluorescence: 1:50 - 1:200

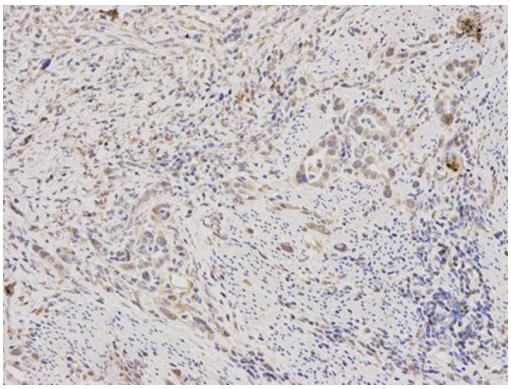
Images



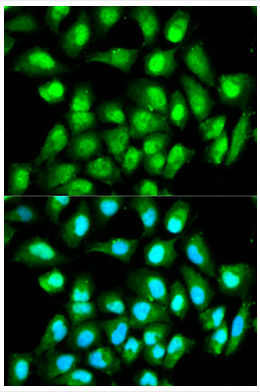
Western blot analysis of extracts of various cell lines, using RAN antibody.



Immunohistochemical analysis of paraffin-embedded human breast cancer using RAN antibody at dilution of 1:200 (400x lens).



Immunohistochemical analysis of paraffin-embedded human stomach cancer using RAN antibody at dilution of 1:200 (400x lens).



Immunofluorescence analysis of HeLa cell using RAN antibody. Blue: DAPI for nuclear staining.

Background

Ran is a small GTPase of the Ras family that plays a central role in the spacial and temperal organization of eukaryotic cells. During interphase, Ran-GDP localizes to the cytoplasm and Ran-GTP to the nucleus. This polarized localization of Ran ensures its role in nuclear transport (1). During mitosis, Ran-GTP is chromatin associated, where it promotes spindle assembly and nuclear envolope formation (1,2). In S phase, Ran-GTP associates with and inhibits MCM helicase, ensuring precise chromosomal DNA duplication during the cell cycle (3)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.