

Rabbit RAN Polyclonal Antibody | anti-RAN antibody

RAN Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306486	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

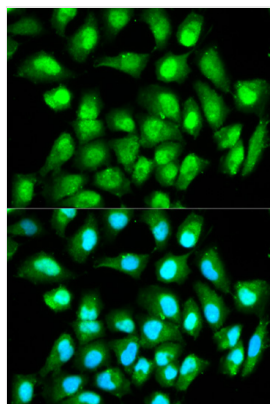
PRODUCT SYNONYMS

RAN; Polyclonal Antibody; RAN Antibody; ARA24; Gsp1; TC4; anti-RAN antibody

PRODUCT SPECIFICATIONS

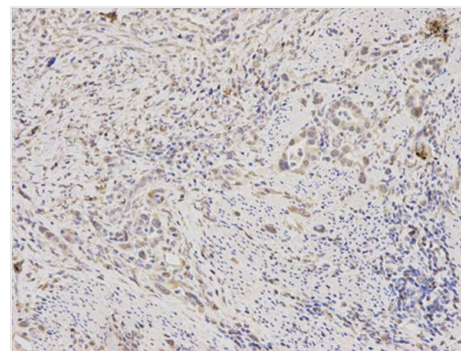
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total RAN protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	128
Applicable Applications for anti-RAN antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human RAN.
Target Name	RAN
Preparation and Storage	Store at -20 degree C

IMAGES



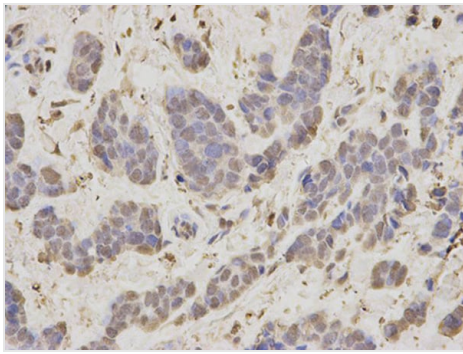
IF (Immunofluorescence)

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



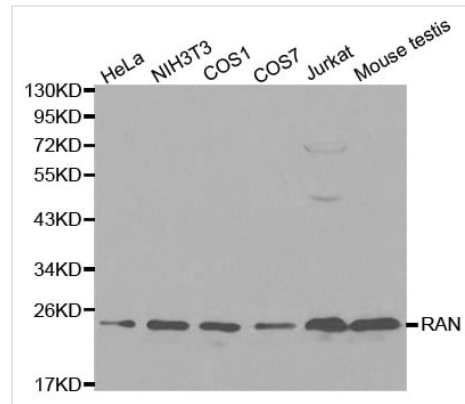
IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-RAN antibody	Ran is a small GTPase of the Ras family that plays a central role in the spacial and temporal 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 envelope formation (1,2). In S phase, Ran-GTP associates with and inhibits MCM helicase, ensuring precise chromosomal DNA duplication during the cell cycle (3)
Product Categories/Family for anti-RAN antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	663855578
NCBI GeneID	5901
NCBI Accession #	NP_001287725.1
NCBI GenBank Nucleotide #	NM_001300796.1
UniProt Accession #	P62826; P17080; P28746; P28747; Q6IPB2; Q86V08; Q8NI90; Q9CSP3; Q9CWI7; Q9CZA2; Q9UDJ5; A8K3Z8; AAB24940
Molecular Weight	24,423 Da
NCBI Official Full Name	GTP-binding nuclear protein Ran isoform 2
NCBI Official Synonym Full Names	RAN, member RAS oncogene family
NCBI Official Symbol	RAN
NCBI Official Synonym Symbols	TC4; Gsp1; ARA24
NCBI Protein Information	GTP-binding nuclear protein Ran
UniProt Protein Name	GTP-binding nuclear protein Ran
UniProt Gene Name	RAN
UniProt Synonym Gene Names	ARA24
UniProt Entry Name	RAN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.