

Human RAB5A, Member RAS Oncogene Family (RAB5A) CLIA Kit | RAB5A clia kit

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CATALOG # AAA189128	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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PRODUCT SYNONYMS

RAB5A; Member RAS Oncogene Family (RAB5A); Human RAB5A; Member RAS Oncogene Family (RAB5A) CLIA Kit; Member RAS Oncogene Family; RAB5; RAB5A clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RAB5A, Member RAS Oncogene Family (RAB5A). No significant cross-reactivity or interference between RAB5A, Member RAS Oncogene Family (RAB5A) and analogues was observed.
Sequence Length	215
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.05-38ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.02ng/mL
Applicable Applications for RAB5A clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RAB5A, Member RAS Oncogene Family (RAB5A) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RAB5A, Member RAS Oncogene Family (RAB5A) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to RAB5A, Member RAS Oncogene Family (RAB5A). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to RAB5A, Member RAS Oncogene Family (RAB5A). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the RAB5A, Member RAS Oncogene Family (RAB5A) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923262
NCBI GeneID	5868
NCBI Accession #	NP_004153.2
NCBI GenBank Nucleotide #	NP_004153.2
UniProt Accession #	P20339
NCBI Official Full Name	ras-related protein Rab-5A isoform 1
NCBI Official Synonym Full Names	RAB5A, member RAS oncogene family
NCBI Official Symbol	RAB5A
NCBI Official Synonym Symbols	RAB5
NCBI Protein Information	ras-related protein Rab-5A
UniProt Protein Name	Ras-related protein Rab-5A
UniProt Gene Name	RAB5A
UniProt Synonym Gene Names	RAB5
UniProt Entry Name	RAB5A_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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/rab5a-member-ras-oncogene-family-rab5a/189128>