

Human Transforming Protein RhoA (RHOA) ELISA Kit | RHOA elisa kit

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CATALOG #
AAA330996

REACTIVITY
Human

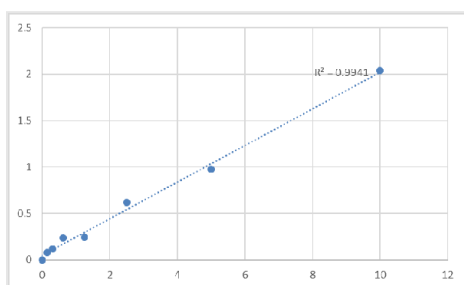
PRODUCT SYNONYMS

Transforming Protein RhoA (RHOA); Human Transforming Protein RhoA (RHOA) ELISA Kit; RHOA; ARH12; ARHA; RHO12; RHOH12; Aplysia ras-related homolog 12; oncogene RHO H12; small GTP binding protein RhoA; RHOA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Transforming protein RhoA (RHOA) ELISA Kit has high sensitivity and excellent specificity for detection of Human RHOA. No significant cross-reactivity or interference between Human RHOA and analogues was observed.
Sequence Length	193
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Transforming protein RhoA (RHOA) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RHOA elisa kit	Description: This Human Transforming protein RhoA (RHOA) ELISA Kit employs a two-site sandwich ELISA to quantitate RHOA in samples. An antibody specific for RHOA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RHOA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RHOA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RHOA bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: RhoA is a small GTPase protein known to regulate the actin cytoskeleton in the formation of stress fibers. It acts upon two known effector proteins: ROCK1 and DIAPH1. RhoA is part of a larger family of related proteins known as the Ras superfamily; proteins involved in the regulation and timing of cell division. RhoA activates ROCK (RhoA kinase) which stimulates LIM kinase, which then stimulates Cofilin, which effectively re-organises the Actin cytoskeleton of the cell. In the case of neurons, activation of this pathway results in growth cone collapse, therefore inhibits the growth and repair of neural pathways and axons. Inhibition of this pathway by its various components usually results in some level of improved remyelination.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47606458
NCBI GeneID	387
UniProt Accession #	P61586
NCBI Official Full Name	Transforming protein RhoA
NCBI Official Synonym Full Names	ras homolog family member A
NCBI Official Symbol	RHOA
NCBI Official Synonym Symbols	ARHA; ARH12; RHO12; RHOH12
NCBI Protein Information	transforming protein RhoA
UniProt Protein Name	Transforming protein RhoA
UniProt Gene Name	RHOA
UniProt Synonym Gene Names	ARH12; ARHA; RHO12; h12
UniProt Entry Name	RHOA_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-elisa-kits/transforming-protein-rhoa-rhoa/330996>