

Human ACTalpha2 (Actin Alpha 2, Smooth Muscle) CLIA Kit | ACTa2 clia kit

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CATALOG #
AAA171246

REACTIVITY
Human

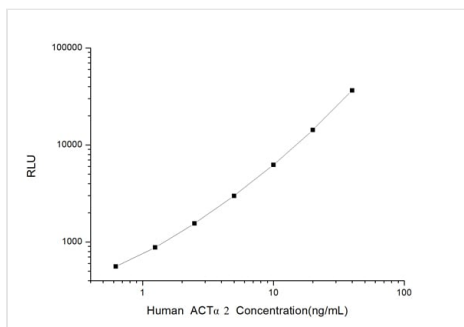
PRODUCT SYNONYMS

ACTalpha2 (Actin Alpha 2; Smooth Muscle); Human ACTalpha2 (Actin Alpha 2; Smooth Muscle) CLIA Kit; ACTA2; AAT6; ACTSA; MYMY5; Human ACTa2 (Actin Alpha 2; Human ACTa2; ACTa2 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant ACTalpha2. No significant cross-reactivity or interference between ACTalpha2 and analogues was observed.
Sequence Length	377
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	Min: 0.375ng/mL; Max: 40ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTa2 clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of ACTalpha2 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to ACTalpha2. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for ACTalpha2 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain ACTalpha2, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of ACTalpha2. You can calculate the concentration of ACTalpha2 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119570540
NCBI GeneID	59
Molecular Weight	42,009 Da
NCBI Official Full Name	actin, alpha 2, smooth muscle, aorta, isoform CRA_a
NCBI Official Synonym Full Names	actin, alpha 2, smooth muscle, aorta
NCBI Official Symbol	ACTA2
NCBI Official Synonym Symbols	AAT6; ACTSA; MYMY5
NCBI Protein Information	actin, aortic smooth muscle
UniProt Protein Name	Actin, aortic smooth muscle
UniProt Gene Name	ACTA2
UniProt Synonym Gene Names	ACTSA; ACTVS
UniProt Entry Name	ACTA_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/acta2-human-clia-kits/actalpha2-actin-alpha-2-smooth-muscle/171246>