

Rat Actin Alpha 2, Smooth Muscle ELISA Kit | ACTalpha2 elisa kit

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CATALOG #
AAA99229

REACTIVITY
Rat

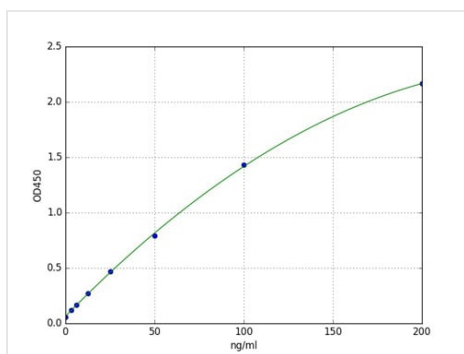
PRODUCT SYNONYMS

Actin Alpha 2; Smooth Muscle; Rat Actin Alpha 2; Smooth Muscle ELISA Kit; ACTalpha2/Actin Alpha 2; Smooth Muscle/ACTA2/AAT6/ACTSA/MYMY5 ; ACTalpha2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	377
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat ACTα 2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	3.125	6.25	12.5	25	50	100	200
Y	OD450	0.019	0.091	0.187	0.284	0.534	0.888	1.337	1.958

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTalpha2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat ACTalpha2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat ACTalpha2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat ACTalpha2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat ACTalpha2 can be calculated.

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://www.aaabiotech.com/actalpha2-rat-elisa-kits/actin-alpha-2-smooth-muscle/99229>