

Human Actin related protein 2 (ACTR2) ELISA Kit | ACTR2 elisa kit

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CATALOG #
AAA27138

REACTIVITY
Human

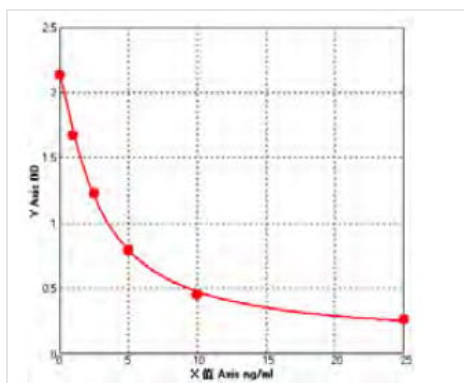
PRODUCT SYNONYMS

Actin related protein 2 (ACTR2); Human Actin related protein 2 (ACTR2) ELISA Kit; ACTR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACTR2. No significant cross-reactivity or interference between ACTR2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACTR2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTR2 elisa kit	Intended Uses: This ACTR2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ACTR2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ACTR2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ACTR2 antibody and an ACTR2-HRP conjugate. The assay sample and buffer are incubated together with ACTR2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ACTR2 concentration since ACTR2 from samples and ACTR2-HRP conjugate compete for the anti-ACTR2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTR2 from the sample, fewer sites are left to bind ACTR2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTR2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ACTR2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031571
NCBI GeneID	10097
NCBI Accession #	NP_005713.1
NCBI GenBank Nucleotide #	NM_005722.3
Molecular Weight	45,377 Da
NCBI Official Full Name	actin-related protein 2 isoform b
NCBI Official Synonym Full Names	ARP2 actin-related protein 2 homolog (yeast)
NCBI Official Symbol	ACTR2
NCBI Official Synonym Symbols	ARP2
NCBI Protein Information	actin-related protein 2; actin-like protein 2
UniProt Protein Name	Actin-related protein 2
UniProt Gene Name	ACTR2
UniProt Synonym Gene Names	ARP2
UniProt Entry Name	ARP2_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/human-elisa-kits/actin-related-protein-2-actr2/27138>