# Mouse Proline-rich AKT1 substrate 1 ELISA Kit | Akt1s1 elisa kit

Mouse Proline-rich AKT1 substrate 1 ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA190768** | **Mouse** |

## PRODUCT SYNONYMS

Proline-rich AKT1 substrate 1; Mouse Proline-rich AKT1 substrate 1 ELISA Kit; Proline-rich AKT substrate; Akt1s1; Pras; Akt1s1 elisa kit

## PRODUCT SPECIFICATIONS

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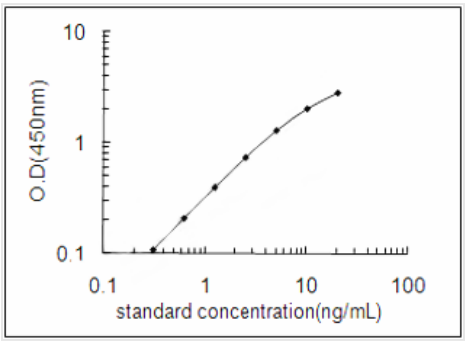
|---|---|
| **Reactivity** | Mouse |
| **Specificity** | This assay recognizes recombinant and natural mouse Proline-rich AKT substrate.. No significant cross-reactivity or interference was observed. |
| **Sequence Length** | 257 |
| **Samples** | Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids |
| **Detection Range** | 0.31 ng/mL - 20.0 ng/mL |
| **Preparation and Storage** | For long term storage, please store the entire kit at -20 degree C. |

## IMAGES




**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for Akt1s1 elisa kit** | Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of mouse Proline-rich AKT substrate concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.<br><br>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Proline-rich AKT substrate. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Proline-rich AKT substrate and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Proline-rich AKT substrate, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Proline-rich AKT substrate in the samples is then determined by comparing the O.D. of the samples to the standard curve. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 359807125 |
| **NCBI GeneID** | 67605 |
| **NCBI Accession #** | NP_001240849.1 |
| **NCBI GenBank Nucleotide #** | NM_001253920.1 |
| **UniProt Accession #** | Q9D1F4; A2RT52 |
| **Molecular Weight** | 27,483 Da |
| **NCBI Official Full Name** | proline-rich AKT1 substrate 1 isoform b |
| **NCBI Official Synonym Full Names** | AKT1 substrate 1 (proline-rich) |
| **NCBI Official Symbol** | Akt1s1 |
| **NCBI Official Synonym Symbols** | Lobe; Lobel; PRAS40; AI227026; 1110012J22Rik |
| **NCBI Protein Information** | proline-rich AKT1 substrate 1 |
| **UniProt Protein Name** | Proline-rich AKT1 substrate 1 |
| **UniProt Gene Name** | **Akt1s1** |
| **UniProt Synonym Gene Names** | Proline-rich AKT substrate |
| **UniProt Entry Name** | AKTS1_MOUSE |

**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/akt1s1-mouse-elisa-kits/proline-rich-akt1-substrate-1/190768