

Product Datasheet

Rat Protein Kinase, AMP Activated Alpha 1 (PRKAa1) ELISA Kit (orb1736718)

Description	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat PRKAa1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat PRKAa1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat PRKAa1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Rat PRKAa1 in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Rat
Range	0.32-20 ng/mL
Concentration	20 ng/mL
Note	For research use only
Application notes	standard: 20 ng/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat PRKAa1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat PRKAa1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat PRKAa1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of Rat PRKAa1 in the samples is then determined by comparing the OD of the samples to the standard curve
Sample Types	Tissue homogenates, cell lysates and other biological fluids

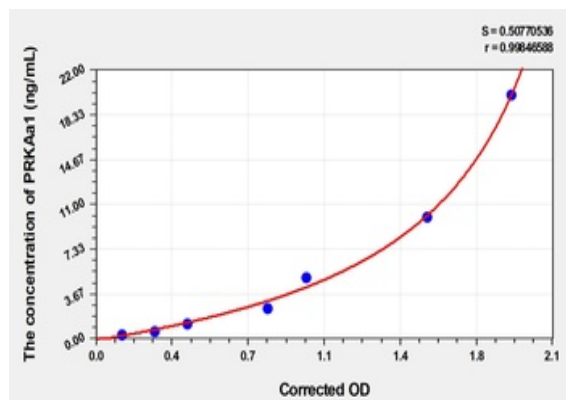
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Assay Time	3.5h
Uniprot ID	P54645
Sensitivity	0.14 ng/mL
Expiration Date	Please enquire.

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