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## Product Datasheet

### **Rat p-AMPK(Phosphorylated Adenosine Monophosphate Activated Protein Kinase) ELISA Kit EBT-ELK0962**

Article Name	Rat p-AMPK(Phosphorylated Adenosine Monophosphate Activated Protein Kinase) ELISA Kit
Biozol Catalog Number	EBT-ELK0962
Supplier Catalog Number	ELK0962
Alternative Catalog Number	EBT-ELK0962-96, EBT-ELK0962-48, EBT-ELK0962-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	200 ng/mL
Range	3.13-200 ng/mL
Sensitivity	1.25 ng/mL
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Enzyme & Kinase. 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 p-AMPK. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat p-AMPK. 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 p-AMPK, 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 450nm 10nm. The concentration of Rat p-AMPK in the samples is then determined by comparing the OD of the samples to the standard curve