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## Product Datasheet

### **Rat NOX4(Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4) ELISA Kit EBT-ELK5753**

Article Name	Rat NOX4(Nicotinamide Adenine Dinucleotide Phosphate Oxidase 4) ELISA Kit
Biozol Catalog Number	EBT-ELK5753
Supplier Catalog Number	ELK5753
Alternative Catalog Number	EBT-ELK5753-96, EBT-ELK5753-48, EBT-ELK5753-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	20 ng/mL
Range	0.32-20 ng/mL
Sensitivity	0.111 ng/mL
UniProt	<a href="#">Q924V1</a>
Samples	Tissue homogenates, cell lysates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Signal transduction, Enzyme & Kinase, Metabolic pathway, Tumor immunity, .  
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 NOX4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat NOX4. 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 NOX4, 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 NOX4 in the samples is then determined by comparing the OD of the samples to the standard curve