

## Product Datasheet

# Rat Endoplasmic Reticulum to Nucleus Signalling 1 (ERN1) ELISA Kit (orb2303014)

<b>Catalog Number</b>	orb2303014
<b>Category</b>	Assays and Kits
<b>Description</b>	<p>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 ERN1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat ERN1. 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 ERN1, 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 <math>\pm</math> 10nm. The concentration of Rat ERN1 in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Reactivity</b>	Rat
<b>Concentration</b>	1000 pg/mL
<b>Application notes</b>	<p>standard: 1000 pg/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 ERN1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat ERN1. 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 ERN1, 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 <math>\pm</math> 10nm. The concentration of Rat ERN1 in the samples is then determined by comparing the OD of the samples to the standard curve</p>

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<b>Assay Type</b>	Sandwich
<b>Assay Time</b>	3.5h
<b>Range</b>	15.63-1000 pg/mL
<b>Sensitivity</b>	4.7 pg/mL
<b>Sample Types</b>	Serum, plasma, tissue homogenates and other biological fluids
<b>Note</b>	For research use only
<b>Expiration Date</b>	6 months from date of receipt.

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