

# Product Datasheet

## Endoplasmic Reticulum Enrichment Extraction Kit NBP2-29482

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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**NBP2-29482****Endoplasmic Reticulum Enrichment Extraction Kit**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Description</b>	Isolating the ER may seem difficult due to its size and complex association with other components of the cytosol. The Endoplasmic Reticulum Enrichment Kit is a key tool that provides the necessary reagents together with an optimized protocol required to gently isolate and enrich for ER from tissues.
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Use in Human reported in scientific literature (PMID:33811847). Use in Mouse reported in scientific literature (PMID:33846551)
<b>Kit Components</b>	5X Isosmotic Homogenization Buffer (30 mL), 1X Suspension Buffer (30 mL), 10X PBS (2 x 50 mL), 5X Calcium Chloride Solution (60 mL), 100X Protease Inhibitor Cocktail (2 x 0.75 mL)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot reported in scientific literature (PMID 23904601), Immunoprecipitation reported in scientific literature (PMID 33846551), Immunohistochemistry-Paraffin reported in scientific literature (PMID 33154371)
<b>Application Notes</b>	The kit is routinely tested using 0.5 gram of freshly isolated mouse liver tissue as the starting material. We typically get the following yields: Total ER fraction: 350 uL (12 mg/mL = 4.2 mg) or Rough ER fraction: 300 uL (9 mg/mL = 2.7 mg) These yields are based on using the 0.5 gram starting material for either isolating the Total ER fraction or the Rough ER fraction. If the starting material is divided at Step C and both the Total and Rough ER fractions are isolated, then yields will be approximately 1/2. Please note that all yields are approximate and may vary depending on the tissue type used and other variables.



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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