

## PRODUCT DATA SHEET

**Product:** Anti-Ferredoxin Reductase pAb

**Cat. No.:** PC-564 (100 µL)

**Description:**

Ferredoxin reductase is a ubiquitous flavoenzyme, containing noncovalently bound FAD as a prosthetic group. It plays a role in delivering NADPH or low potential one-electron donors such as ferredoxin and flavodoxin to redox-based metabolisms in plastids, mitochondria and bacteria. In mammals, ferredoxin reductase is loosely associated with the inner mitochondrial membrane and receives electrons from NADPH. These electrons are transferred to ferredoxin which shuttles electrons to cytochrome P450 in the adrenal cortex mitochondrial steroid hydroxylation systems.

**Immunogen:**

Recombinant human fragment protein purified from E.coli

**Host:**

Rabbit

**Isotype:**

IgG

**Species Reactivity:**

Human, Mouse and Rat. Others not tested.

**Format:**

HEPES with 0.15M NaCl with protein stabilizer, 0.03% sodium azide and 50% glycerol

**Positive Control:**

HeLa

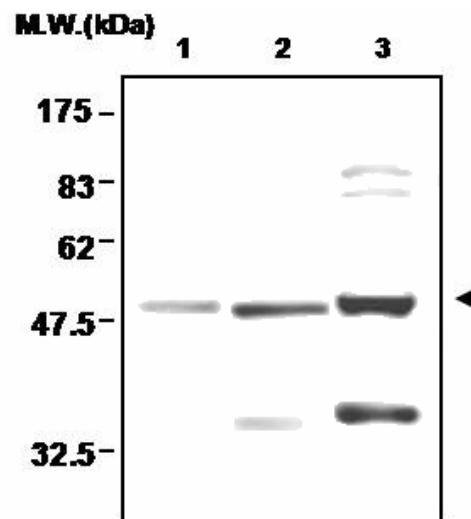
**Storage:**

Store at -20°C. Avoid repeated freeze/thaw cycles.

**Applications:**

- Western Blot: 1:3000 suggested dilution
- Immunoprecipitation: 1 µL

The optimal dilution for a specific application should be determined by the researcher.



**IMMUNOBLOT ANALYSIS of cell lysates:**  
 Lane 1: HeLa cell lysates Lane 2: Mouse Lung  
 Lane 3: Rat Lung

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.