



## Item Name Rat Small Intestine Whole Tissue Lysate

**Cat#** RAL-1468

**Size:** 100 ug

**Tissue type** Small Intestine

**Source** Rat (Adult, mixed strain, white laboratory rats)

**Buffer:** Lysate is supplied in SDS sample buffer containing 5%  $\beta$ -mercaptoethanol

**Store** Lysate is supplied at a concentration of 2 mg/ml. Store at 2-8°C for continuous use. For extended storage, freeze working aliquots at -70°C. Repeated freezing and thawing is not recommended. Under proper storage conditions the shelf life is half a year from the date of receipt.

### Recommended Usage

Western blot-Load 5-20 ug/lane for testing with various antibodies. Heat at 95oC for 2-5 minutes prior to loading on gels.

### Lysate preparation

Tissue lysate was prepared by homogenization in modified RIPA buffer (150 mM sodium chloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediaminetetraacetic acid, 1 mM phenylmethylsulfonyl fluoride, 1% Triton X-100, 1% sodium deoxycholic acid, 0.1% sodium dodecylsulfate, 5  $\mu$ g/ml of aprotinin, 5  $\mu$ g/ml of leupeptin. Tissue and cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The product was boiled for 5 min in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5%  $\beta$ -mercaptoethanol.

All items are for in vitro research use only.

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### Related items

|            |   |
|------------|---|
| #90100     | Western blot recycling kit  |
| 80200      | Western blot Kit for Rabbit Primary Antibodies, Chemilum. Substrate               |
| 80201      | Western blot Kit for Goat Primary Antibodies, Chemilum. Substrate                 |
| 80202      | Western blot Kit for Mouse Primary Antibodies, Chemilum. Substrate                |
| 80215      | NuGlo ECL Substrate Kit for Western blot  |
| 80400-100  | Bovine Serum Albumin (BSA, protease-free) for western (makes ~2-L buffer @5% BSA) |
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| #ACTB12-M  | Mouse monoclonal anti-beta actin IgG  |
| #G3PDH12-M | Mouse monoclonal anti-G3PDH (GAPDH)   |

RIPA buffer, mol wt markers, Mouse, rat and human tissue lysates and pre-made protein blots are also available.

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