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INSTA-Blot™ Rat Tissue Lysate

Catalog No.: 40124

Contents: 100µg of total protein derived from rat kidney.

BACKGROUND:

The identification of the human genome has promoted novel studies involving aging, behavioral research, diabetes and obesity, immunology, bioassay and pharmacological screening. Western blot analysis assists scientists conducting such research to make important contributions to functional genomics, allowing for structural, functional and comparative analysis of proteins in rat models. Imgenex introduces cell lysates that provide a simple and fast solution for screening the expression of a particular protein in rat tissue.

Application:

Imgenex lysates eliminate the time and hassle involved in preparing tissus. Each tissue or cell lysate is prepared in 1x sampling buffer at a concentration ideal for most SDS-PAGE applications. With Imgenex lysates, consistent quality protein separation is assured for several runs. One vial of Imgenex Lysate is sufficient to run 10 lanes (10 µg/lane) of protein. All tissues are extracted from adult rats.

STORAGE:

Imgenex Lysates are provided at 1 mg/mL in 1X Sample Buffer containing β-Mercaptoethanol* They are shipped on blue ice and can remain at –20°C for up to 3 months. For long term storage, keep lysates in dark at –70°C. Avoid repetitive freeze-thaw cycles, as this may result in degradation of protein and less defined bands when separated by SDS-PAGE.

RELATED PRODUCTS:

1. *INSTA-Blot™* Mouse Tissues (Cat. # IMB-101)
2. *INSTA-Blot™* Rat Tissues (Cat#IMB-102)
3. *INSTA-Blot™* Mouse Cell Lines (Cat. # IMB-104)
4. *INSTA-Blot™* Human Cell Lines (Cat. # IMB-105)

REFERENCES:

1. Ausubel, F., Brent, R., Kingston, R., Moore, D., Seidman, J.G., Smith, J., Struhl, K., *Current Protocols In Molecular Biology*, 1998, V2, 10.8.1-10.8.16.

***1 x SDS sample buffer:**

60 mM Tris-Hcl (pH 6.8)
10 mM EDTA
2 % SDS
0.03% Bromophenol Blue
10% glycerol
0.3% β-mercaptoethanol

Research purposes only. Not for diagnostic or in vivo use.