

Product Datasheet

Human Kidney Tissue Lysate (Adult Tumor) NBP2-47061

Unit Size: 0.1 mg

Store at -80C. Avoid freeze-thaw cycles.

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NBP2-47061

Human Kidney Tissue Lysate (Adult Tumor)

Product Information	
Unit Size	0.1 mg
Concentration	Please contact technical services for concentration.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Product Description	
Description	<p>Matched Tumor & Normal Tissue Lysate Set</p> <p>Diagnosis: Renal cell carcinoma</p> <p>Sex: Female</p> <p>Age: 44</p> <p>Grade: 3</p> <p>Stage: III, T3bN0Mx</p> <p>Tumor Pathology Data</p> <p>Location: Right Kidney</p> <p>Gross findings: Tumor size 10.4 cm. Cut section, tan/yellow/red, hemorrhagic and necrotic. Lymph nodes negative for metastatic carcinoma.</p> <p>Microscopic findings</p> <p>The tumor is composed of enlarged cells with oval-round nuclei, distinct nucleoli, and abundant amounts of clear or eosinophilic cytoplasm. Cellular pleomorphism is generally mild, however, in some areas severe anaplastic nuclear pleomorphism is seen. Cells are arranged in enlarged islands/nests with intervening fibrovascular septae. Extensive tumor necrosis is present. The neoplastic process does not extend through the renal capsule. Extension into the renal vein with involvement of the vascular margin of resection is seen. The non-neoplastic portion of kidney demonstrates varying degrees of glomerulosclerosis, interstitial fibrosis, and inflammation.</p> <p>Preparation Method</p> <p>Tissue specimens are homogenized in modified RIPA buffer to obtain the soluble proteins, and centrifuged to clarify. Extraction 1: PBS, pH 7.4; 1 ug/ml Aprotinin; 1 mM NaF Modified RIPA Buffer: 1 mM EDTA; 1 ug/ml Pepstatin-A; 0.1% SDS; 0.25% Na deoxycholate; 1 ug/ml Leupeptin; 1 mM PMSF; 1 mM Na3VO4</p>
Species	Human
Notes	<p>The vial is provided with a 10% overfill. Maximum recovery can be obtained by centrifuging the vial briefly to collect any solution on the cap and tube sides.</p> <p>This material has tested negative for HbsAg, HIV 1/2, and HCV. Use UNIVERSAL PRECAUTIONS when handling. Human tissue derivatives must be treated as a potentially infectious agent and disposed of appropriately</p>

Lysate Type	Tissue
Lysate Tissue	Kidney
Lysate Tissue Condition	Tumor
Lysate Life Stage	Adult

Product Application Details

Application Notes	<p>These lysates have not been subjected to denaturing or reducing conditions. This allows the tissue or cell lysate to be used in a variety of applications; to study protein-protein interaction, ligand binding, ELISA, immunoprecipitation, 1D and 2D gel electrophoresis, and Western blotting for the detection of specific protein targets.</p> <p>For use in 1D and 2D gel electrophoresis, the addition of a denaturing gel loading buffer with reducing agents may be required.</p> <p>Buffer requirements for performing protein-protein interaction and ligand binding studies can vary significantly from RIPA buffer and may require modifications. In most cases, tissue lysates in RIPA buffer can be used, directly in standard ELISA and immunoprecipitation assays.</p> <p>These lysates are proteomic discovery tools. Researchers should validate and optimize for individual use.</p>
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Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-47061

NBP2-30220	Human Kidney Tissue MicroArray (Cancer)
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Limitations

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

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