

Product Datasheet

Human Kidney Tissue Lysate (Adult Tumor) NBP2-47060

Unit Size: 0.1 mg

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

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NBP2-47060**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>Tumor Tissue Lysate</p> <p>Diagnosis: Renal cell carcinoma</p> <p>Sex: Male</p> <p>Age: 57</p> <p>Grade: 3</p> <p>Stage: III, T2N0Mx</p> <p>Tumor Pathology Data</p> <p>Location: Right Kidney</p> <p>Gross findings: Tumor size 9.4 cm. Cut section, orange, hemorrhagic. Lymph nodes negative for metastatic carcinoma.</p> <p>Microscopic Findings</p> <p>Sections show a renal cell carcinoma which is composed predominantly of grade 3 tumor with enlarged nuclei, prominent nucleoli, and marked irregular nuclei. Focal areas show a spindle cell pattern which also has increased mitotic activity and is infiltrating into the adjacent kidney with focal destruction of glomeruli. The tumor is hyalinized in many foci and shows bosselating borders as well as infiltrating borders. The ureterovascular margin is negative for tumor as is the closest surgical margin. The largest geographic areas of necrosis are present within the tumor. The separately submitted paracaval lymph nodes show reactive hyperplasia without tumor. The tumor shows predominantly grade 3 morphology with focal areas of grade 4 differentiation. These represent a minority of the tumor and are present in areas showing a spindle cell (sarcomatoid) pattern of differentiation.</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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Products Related to NBP2-47060

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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