

HUMAN LIVER TISSUE LYSATE

Catalog Number:	Extraction 1, soluble pro T9-004-T-1 T9-004-N-1	otein fraction Human liver <i>tumor</i> tissu Human liver <i>normal</i> tiss	100 μg 100 μg						
	Extraction 2, insoluble p T9-004-T-2 T9-004-N-2	protein fraction Human liver <i>tumor</i> tissu Human liver <i>normal</i> tiss		100 μg 100 μg					
Diagnosis:	Hepatocellular carcinoma, Grade 2, stage II, $T_2N_0M_x$								
Sex / Age:	Male, age 53.								
Concentration:	1 mg/ml, 100 μg/vial. 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.								
Storage:	Aliquot single use volumes to avoid repeated freeze/thaw cycles. From time of receipt, this product is stable for 3 months at -20° C, or 12 months at -70° C.								
Lysate Preparation:	Tissue specimens are homogenized in modified RIPA buffer to obtain the soluble proteins, and centrifuged to clarify. The pellet was further extracted with a second buffer to obtain the less soluble protein fraction. The lysate solution may appear turbid at cold temperatures due to insolubility of buffer components. The solution should clear upon warming to room temperature.								
	Extraction 1: Modified RIPA Buffer:	PBS, pH 7.4 1 mM EDTA 0.25% Na deoxycholate 1 mM Na ₃ VO ₄	1 μ g/ml Aprotinin 1 μ g/ml Pepstatin-A 1 μ g/ml Leupeptin	1 mM NaF 0.1% SDS 1 mM PMSF					
	Extraction 2:	, 2.0 M Thiourea, 50mM D	urea, 50mM DTT, 0.1% SDS						
Application:	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. For use in 1D and 2D gel electrophoresis, the addition of a denaturing gel loading buffer with reducing agents may be required.								
	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.								
	This material has tested negative for HbsAg, HIV 1/2, and HCV. Use UNIVERSAL PRECAUTIO when handling. Human tissue derivatives must be treated as a potentially infectious agent and disposed of appropriately.								
Source:	Integrated Laboratory Services-Biotech (ILSbio), Chestertown, MD 21620 <u>www.ilsbio.com</u> ILS-10126								

For Research Use Only

THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.



PATHOLOGY REPORT

Catalog No.	T09-004							
Tissue:	Liver							
Location:	Liver							
Diagnosis:	Hepatocellular carcinoma, moderately differentiated.							
Stage:	II, T_2N_0	M _x .						
Grade:	2							
Sex:	Male							
Age:	53 years	5						
Appearance:	Macroscopic			Charac	teristics		+/-	
	Organ:	Liver	_	Encapsula			-	
	Size:	10 cm.		Invaded:			+	
	Color:	Brown		Hemorrha			+	
	Consistency: Cut surface:	Friable Homoger		Cystic deg Calcificat	generation:		-	
	Cut surface.	nomoger	1043	Calement	1011.			
Histologic pattern:	Cell distribution.	•	+/-	Structur	re / Patte	rn.	+/-	
misiologic pattern.	Diffuse:	•	<u></u>	Streaming		<i>in</i> .	<u></u>	
	Mosaic:		+	Storiform	-		-	
	Necrosis:		+	Fibrosis:	•		-	
	Lymphocytic infiltrat	ion:	+	Pallisadin	g:		-	
	Vascular invasion:				generation:	-		
	Clusterized:		 Bleeding: Myxoid change: Psammoma body: 			-		
	Alveolar formation:				-			
	Indian file:		-	Psammon	ha body:		-	
Cellular differentiation:								
	Squamous:	+/-	Adenom	atous:	+/-	Sarcom	atous:	+/-
	Squamoid:	-	Glandular		+	Round ce		+
	Spindle:	-	Cell stratif		+	Spindle c		+
	Keratin:	-	Secretion:		-		olast:	-
	Desmosome: Pearl:	-		llar vacuole: - r formation: -		Lipoblast: Rhadomyoblast:		-
	i cari.		Glandulai	formation.		Kiladolity	oblast.	
Nuclear atypia:	Nuclear Appear	ance:		0	I	II	III	
	Anisonucleosis:			-	_	X		
	Hyperchomatism:					Х		
	Nucleolar prominent:				Х			
	Multinucleated giant	cell:				X		
	Mitotic activity:					X X		
	Nuclear grade:					Λ		

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