

Supplementary materials

Transforming growth factor- β activated kinase 1 (Tak1) is activated in hepatocellular carcinoma, mediates tumor progression and predicts unfavorable outcome

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Table S1. List of antibodies used for immunohistochemistry.

Antibody	Supplier	Cat. Nr.	Type	Dilution	Antigen Retrieval
Anti-cleaved Caspase-3	Cell Signal	9664	rabbit monoclonal	1:200	citrate buffer, pH 6.1
Anti-CD34	Dako	IR632	mouse monoclonal	ready to use	Tris/EDTA buffer, pH 9
Anti-Ki67	Dako	IR626	mouse monoclonal	ready to use	citrate buffer, pH 6.1
Anti-Tak1	Novusbio	JM73-19	rabbit monoclonal	1:25	citrate buffer, pH 6.1
Anti-Cyld	Abcam	ab137524	rabbit polyclonal	1:400	citrate buffer, pH 6.1
Anti-Glutaminsynthetase	Roche	760-4898	mouse monoclonal	ready to use	Roche, #950-124

Table S2. Crude nutrients of experimental diets (both ssniff Spezialdiäten GmbH, Soest, Germany).

Product No.		Surwit Diet (HFD) [HF/Sucrose] E15772-34	Control Diet (CD)[Soybean Oil] E15772-04
Casein	%	23.00	23.00
Corn starch, pre-gelatinized	%	-	27.00
Maltodextrin	%	15.30	15.30
Sucrose	%	17.00	17.00
Pur. Cellulose powder	%	1.80	5.20
DL-Methionine	%	0.10	0.10
L-Cystine	%	0.10	0.10
Mineral & trace element premix	%	5.50	5.50
Vitamin premix	%	1.00	1.00
Sodium phosphate, dibasic	%	0.30	0.30
Dye, red-yellow mix	%	0.10	-
Choline chloride	%	0.20	0.20
Coconut oil, hydrogenated	%	33.30	-
Soybean oil	%	2.30	5.30
ME, Atwater *	MJ/kg	22.80	15.70
Protein	kJ%	15	22
Carbohydrates	kJ%	26	65
Lipids	kJ%	58	13

* physiological fuel value.