

Supplementary Data

SUPPLEMENTARY TABLE S1. THE ANTIBODIES USED AND THEIR SOURCES ARE LISTED BELOW

Antibody/Antigen	Species	Company	Clone	Dilutions	
				Western blot	Immunostaining (IHC/IF)
Anti-Phospho-p70S6K (Thr ³⁸⁹)	Rabbit Po.	Cell signaling Technology ¹		1:1000	1:500
p70S6K	Rabbit	Cell Signaling Technology ¹		1:1000	1:500
Anti-phospho-S6 (Ser ^{235, 236})	Rabbit	Cell Signaling Technology ¹		1:500	1:500
Phospho-mTOR (Ser ²⁴⁸¹)	Rabbit	Abcam ²	# ab45996	1:200	1:350
FABP5	Rabbit	Protein Tech Group, Inc. ³	# 12348-1AP	NA	1:200
PCNA	Rabbit	Dako North America, Inc. ⁴	#A0067		1:200
PI3 Kinase (p110 α (C73F8))	Rabbit	Cell Signaling Technology ¹	# 4249	1:200	1:500
Phospho-Stat3 (Tyr705)	Rabbit	Cell Signaling Technology ¹	#9145	1:500	1:200
PathScan [®] Multiplex Western Cocktail I		Cell Signaling Technology ¹	#5301	1:300	NA
Phospho-S6(Ser ^{235/236})	Rabbit	Cell Signaling Technology ¹	#2211	1:500	1: 400
mTOR	Rabbit	Cell Signaling Technology ¹		1:300	1:250
Phospho-mTOR (Ser ²⁴⁴⁸)	Rabbit	Cell Signaling Technology ¹	#5536	1:200	1:500
Anti-phospho-Akt Thr ³⁰⁸	Rabbit	Cell Signaling Technology ¹	#13038	1:200	1:500
Phospho-Akt Ser ⁴⁷³	Rabbit	Cell Signaling Technology ¹	#4060	1:300	1:250
Caspase-14	Rabbit Po.	Imgenex, Novus Biologicals, LLC ⁵	IMG-5713	1:1000	1:1000/100
Filaggrin	Mouse Mo.	Novocastra Laboratories Ltd. ⁶	15C10	1:200	1:200/
Keratin-1	Rabbit Po.	Covance ⁷	PRB-	1:1000	1:100
Keratin-10	Rabbit Po.	Covance ⁷	PRB-159P	1:1000	1:1000 and 1:500
Involucrin	Mouse Mo.	NeoMarker ⁸	SY5	1:1000	1:200
Transglutaminase-1	Mouse Mo.	Biomed. Technol., Inc. ⁹	BT-621	1:500	1:200
HRP donkey anti-goat IgG		Santa Cruz Biotech ¹⁰	Sc-2033	1:5000	n.d.
β -Actin	Mouse	Sigma Aldrich ¹¹	A5441	1:5000	n.d.
Phospho-NF- κ B/p65	Rabbit po	Cell Signaling Technology ¹		1:500	n.d.
Alexa Fluor 488	Rabbit	Invitrogen ¹²			1: 600
Alexa Fluor 594	Mouse	Invitrogen ¹²			1: 600

¹3 Trask Lane Danvers, MA.

²Cambridge, MA.

³Rosemont, IL.

⁴Real Carpinteria, CA.

⁵Littleton, CO.

⁶Newcastle upon Tyne, UK.

⁷Madison, WI.

⁸Fremont, CA.

⁹Stoughton, MA.

¹⁰Santa Cruz, CA.

¹¹St. Louis, MO.

¹²Lake Placid, NY.

n.d., not determined.