

Title: Cell type-dependent differential activation of ERK by oncogenic KRAS in colon cancer and intestinal epithelium.

Authors: Brandt et al.

Publication: Nature Communications, 2019

Data source: Methods Section, sub-section title "Mass cytometry (CyTOF)"

Antigen	Supplier	Label Symbol	Label Atomic Mass	Clone	Catalog Number
CD24 (mouse)	Fluidigm	Nd	150	M1/69	3150009B
CD24 (human)	Fluidigm	Tm	169	ML5	3169004B
CD44 (mouse)	Fluidigm	Dy	162	IM7	3162030B
CD44 (human)	Fluidigm	Er	166	BJ18	3166001B
Cleaved Casp3	Fluidigm	Nd	142	D3E9	3142004A
pH2AX (pS139)	Fluidigm	Sm	147	JBW301	3147016A
pAkt (pS473)	Fluidigm	Sm	152	D9E	3152005A
pP38 (pT180/pY182)	Fluidigm	Gd	156	D3F9	3156002A
Ki67	Fluidigm	Dy	162	B56	3168007B
IkB	Fluidigm	Dy	164	L35A5	3164004A
pERK1/2 (pT202/pY204)	Fluidigm	Yb	171	D13.14.4E	3171010A
pS6 (pS235/pS236)	Fluidigm	Lu	175	N7548	3175009A
Axin2*	Abcam	Nd	145	polyclonal	ab32197
pMEK1/2 (pS217/221)*	CST	Eu	151	41G9	9154
EphB2*	BD	Gd	158	2H9	564698
p4E-BP1 (pT37/46)*	CST	Er	170	236B4	2855
Krt20*	CST	Yb	176	D9Z1Z	13063

* Conjugated by the authors using Maxpar Antibody Labeling Kit (Fluidigm)

Detailed staining protocol in Methods Section