

Table S1 Antibodies for immunoblot

Antibody	Company	M.W. (kDa)	Host	polyclonal/monoclonal	Catalogue number
RalA	BD Transduction Laboratories (San Jose, CA, USA)	28	Mouse	mono	610222
GAPDH	Wako Pure Chemical Industries, Ltd. (Osaka, Japan)	38	Mouse	mono	/
RalGAP α 1	Made by Shirakawa <i>et al.</i> previously (18)	260/240	Rabbit	poly	/
RalGAP α 2	Made by Shirakawa <i>et al.</i> previously (18)	220	Rabbit	poly	/
RalGAP β	Made by Shirakawa <i>et al.</i> previously (18)	170	Rabbit	poly	/
Horseradish peroxidase-conjugated Goat anti-mouse IgG	Jackson ImmunoResearch (West Grove, PA, USA)	/	Goat	poly	115-035-003
Horseradish peroxidase-conjugated Goat anti-rabbit IgG	Jackson ImmunoResearch (West Grove, PA, USA)	/	Goat	poly	111-035-144

Table S2 The primer sequences used are shown

Primer name	Sequence
<i>RalGAPα1</i> methylated	5'-TGTTTATATAGGAAATTAAGGCGG-3' (forward) 5'-CAACTTACACCCTACAAAAACCG-3' (reverse)
<i>RalGAPα1</i> unmethylated	5'-GTTTATATAGGAAATTAAGGTGGGG-3' (forward) 5'-ACAACTTACACCCTACAAAAACCA-3' (reverse)
<i>RalGAPα2</i> methylated	5'-ATTTTGGAAAAGAGGTCGTAGC-3' (forward) 5'-GTTATACTACAAATCCCGAAATACACC-3' (reverse)
<i>RalGAPα2</i> unmethylated	5'-TTTTGGAAAAGAGGTTGTAGTG-3' (forward) 5'-CATTATACTACAAATCCCAAATACACC-3' (reverse)
NGS-BSP <i>RalGAPα2</i> 1	5'-AAGATAGTTGTGTTGTTTTAATTTGGATGGAA-3' (forward) 5'-CTTATCCCTAAAACAAAACCTTTAAACTAAAAA-3' (reverse)
NGS-BSP <i>RalGAPα2</i> 2	5'-TTTTTAGTTTAAAGTTTTGTTTTAGGGAATAAG-3' (forward) 5'-CCTAAATCCTAAAACCCAACCTCACT-3' (reverse)
NGS-BSP <i>RalGAPα2</i> 3	5'-AGTGAGGTTGGGTTTTAGGAATTTAGGG-3' (forward) 5'-CCCAAAAATCTCAATAAAAAAATATCAAAC-3' (reverse)