

**ESM Table 2. Mass spectrometry results**

	Protein	Protein accession no.	pI/Mass (Da)	Peptide Masses (Da)	Amino acid positions and corresponding sequences	Sequence coverage (%)
MALDI-TOF	Ras-related protein Rab3B	Q63941	4.85/24997	1634.81 983.33 1634.72 1671.69	73-85 LQIWDTAGQERYR <b>137-143 CDMEEER</b> <b>137-149 CDMEEERVIPTEK</b> <b>187-202 MSDSMDTDPVSLGASK</b>	19
ESI-Q-TOF	Ras-related protein Rab3B	Q63941	4.85/24997	1099.66 1784.89 932.46	25-35 LLIIGNSSVGK <b>152-167 LLAEQLGFDFFEASAK</b> <b>179-186 LVDAICDK</b>	15
	Ras-related protein Rab11B	Q9ET14	5.64/24588	1206.50 979.46 1079.56 1273.60 943.47 1288.82 1159.65 1640.97 1020.63	5-13 DDEYDYLK 34-41 NEFNLESK 42-51 STIGVEFATR 62-72 AQIWDTAGQER 75-82 AITSAYR 83-95 GAVGALLVYDIK 96-104 HLTYENVER 111-125 DHADSNIVIMLVGNK <b>167-174 NILTEIYR</b>	41

<sup>a</sup> Peptides highlighted in bold are unique for the respective Rab isoform.