Western blot: Tunicamycin treatment of TREK-1, expressed in *Xenopus* oocytes: (from figure 2a)



Western blot: Glycosylation deficient TREK-1 mutants, expressed in *Xenopus* oocytes: (from figure 3a)



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Anti 1d4

Western blot: Glycosylation deficient TREK-1 mutants, expressed in *Xenopus* oocytes: (from figure 3b)

[kDa] 180 --100 --70 --55 --40 --35 --25 --

> WT-1d4 N110Q-1d4 N134Q-1d4 E110Q, N134Q-1d4



Anti GAPDH (sequential)

WT-1d4 N110Q-1d4 N134Q-1d4 E110Q, N134Q-1d4

Western blot: PNGase F and tunicamycin treatment of TREK-1, expressed in HEK 293T cells: (from figure 4a)



Western blot: Glycosylation deficient TREK-1 mutants, expressed in HEK 293T cells: (from figure 4b)





Western blot: PNGase F and tunicamycin treatment of glycosylation deficient TREK-1 mutants: (from figure 4c)



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Western blot membrane 1: Surface expression (from figure 5b):

Anti 1d4



Western blot membrane 2: Surface expression (from figure 5b):

Anti 1d4



Western blot membrane 3: Surface expression (from figure 5b):

Anti 1d4



Western blot membrane: *O*-glycosylation of TREK-1 (from figure 6)







