Figure 5a – western blot images



Figure 6a – western blot images



Anti-protein A (Aat2-TAP)

Fraction 1 2 3 4 5 6 7 8 9 10 11 Fraction 1 2 3 4 5 6 7 8 9 10 11 Fraction 1 2 3 4 5 6 7 8 9 10 11

Figure 6b (left panels, untreated) – western blot images



Figure 6b (right panels, +RNase) – western blot images



Figure 6c – western blot images



Figure 6c – western blot images



Figure 7b (left panels, unstressed, SM) – western blot images



Figure 7b (left panels, unstressed, K255E) – western blot imaç



Figure 7b (left panels, unstressed, R387E) – western blot imac



Figure 7b (right panels, +H2O2, SM) – western blot images



Figure 7b (right panels, +H2O2, K255E) – western blot images



Figure 7b (right panels, +H2O2, R387E) – western blot image:



Figure 7d – western blot images

Three (parent, $aat2\Delta$) or four (K255E, R387E) replicates were performed and loaded on to separate gels. Each set of samples is an independent replicate, except for the Parent samples on gels 1 and 3, which are the same.

The Parent +0.45 mM H2O2 sample from gel 1 was loaded on each gel so that bands could be normalised to a common sample (lane N on all gels).

Representative samples shown in figures highlighted in red, all others in orange.

Figure 7d – western blot images (gel 1)

Anti-Sui2/eIF2a

N = normaliser. Same sample (Parent +0.45 mM H2O2) loaded on each gel for normalisation

Anti-phospho-Sui2/eIF2a



Figure 7d – western blot images (gel 2)

Anti-Sui2/eIF2a

N = normaliser. Same sample (Parent +0.45 mM H2O2) loaded on each gel for normalisation



Anti-phospho-Sui2/eIF2a

Figure 7d – western blot images (gel 3)

Anti-Sui2/eIF2a

N = normaliser. Same sample (Parent +0.45 mM H2O2) loaded on each gel for normalisation

uns 0.25 0.45 0.80 0.80 0.25 0.45 0.80 Parent R387E Ν uns 0.25 0.45 0.80 0.80 0.25 0.45 0.80 Parent R387E Ν uns 0.25 0.45 0.80 0.80 0.25 0.25 0.45

Parent

R387E

Ν

Anti-phospho-Sui2/eIF2a

Figure 7d – western blot images (gel 4)

Anti-Sui2/eIF2a

N = normaliser. Same sample (Parent +0.45 mM H2O2) loaded on each gel for normalisation



aat2∆

R387E

uns 0.25 0.45 0.80 uns 0.25 0.45 0.80 Ν

Anti-phospho-Sui2/eIF2a

Figure 7d – western blot images (gel 5)

Anti-Sui2/eIF2a

N = normaliser. Same sample (Parent +0.45 mM H2O2) loaded on each gel for normalisation





Figure 7d – western blot images (gel 6)

R387E K255E Ν Anti-Sui2/eIF2a uns 0.25 0.45 0.80 0.80 0.25 0.45 0.80 N = normaliser. Same sample (Parent +0.45 mM H2O2) loaded on each gel for normalisation R387E K255E Ν Anti-phospho-Sui2/eIF2a uns 0.25 0.45 0.80 0.80 0.25 0.45 0.80 Anti-Pab1 R387E K255E Ν uns 0.25 0.45 0.80 0.80 uns 0.25 0.45 0.80

Figure 7d – western blot images (gel 7)

Anti-Sui2/eIF2a

N2 = normaliser. Parent +0.80 mM H2O2 loaded here and on gel 8 for normalisation



Anti-phospho-Sui2/eIF2a



Figure 7d – western blot images (gel 8)

Anti-Sui2/eIF2a

N (Parent +0.45 mM H2O2) and N2 (Parent +0.80 mM H2O2) = normalisers



Anti-phospho-Sui2/eIF2a