

VOLUME 286 (2011) PAGES 28821–28832

DOI 10.1074/jbc.A117.255042

Src subfamily kinases regulate nuclear export and degradation of transcription factor Nrf2 to switch off Nrf2-mediated antioxidant activation of cytoprotective gene expression.

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This article has been retracted by the publisher. Phillip M. Shelton agrees with the retraction. An investigation at the University of Maryland, Baltimore determined that bands depicted in several figures were digitally altered as follows.

In Fig. 2, the LaminB immunoblot from “Src siRNA” was digitally mirrored and duplicated as LDH in the “YES siRNA” panel. Bands 4, 5, and 6 in the LDH panels of the Fyn and Lyn panels were duplicated.

In Fig. 4A, in the Nrf2-V5 panel, bands 1 and 2 and bands 4 and 5 are identical. Similarly, in the IP:pTyr lane, bands 5 and 6 are identical. In Fig. 4B, there is evidence of splicing in the Nrf2-V5 panel. In addition, in the FLAG panel, bands 1 and 2 and bands 4 and 7 are identical.

In Fig. 5A, there is evidence of splicing in the Nrf2 panel. In addition, bands 1 and 2 in the Src panel are identical. In Fig. 5C, in the Nrf2 panel, lanes 1 and 2 and lanes 5 and 8 are identical. Similarly, in the Fyn panel, lanes 1 and 2 are identical. In addition, lanes 4 and 5 were duplicated and presented as mirror images of each other. In Fig. 5E, lanes 4 and 5 from the IP:V5 WB:pTyr panel were duplicated in Fig. 7A, right panel LDH, lanes 4 and 5.

In Fig. 7A, the left Lyn panel and the right Yes panel were duplicated after resizing. In Fig. 7B, the left and right GSKβ panels were duplicated after resizing.

In Fig. 8A, in the NQO1 panel, bands 2 and 6 are identical. In the HO-1 panel, bands 2 and 6 were resized and duplicated. In the GCLC panel, bands 1 and 6 were duplicated.

In addition, the journal determined that lanes 2–4 of the HO-1 immunoblot from the “Yes siRNA” panel from Fig. 1A was flipped horizontally and reused in lanes 2–4 of the Lyn immunoblot from the “Lyn siRNA” panel of the same figure. In Fig. 2, lanes 3 and 6 of the Src immunoblot from the “Src siRNA” panel were duplicated. In Fig. 5D, lanes 2 and 5 of the IP:V5 WB:pSer immunoblot from the right panels were duplicated. In Fig. 6D, lanes 1–4 of the Lamin B immunoblot from SYF^{+/+} MEFs were duplicated in the LDH immunoblot from Fig. 7B, right panel. The LDH immunoblot from Fig. 7A, left panel, was duplicated as LDH in Fig. 7B, left panel. The right Fyn panel and the right Src panel were duplicated in Fig. 7A. In Fig. 7B, lanes 3 and 5 of the GSKβpY216 immunoblot, right panel, were duplicated.

Authors are urged to introduce these corrections into any reprints they distribute. Secondary (abstract) services are urged to carry notice of these corrections as prominently as they carried the original abstracts.