

Magnesium picolinate improves bone formation by regulation of RANK/RANKL/OPG and BMP-2/Runx2 signaling pathways in high-fat-fed rats

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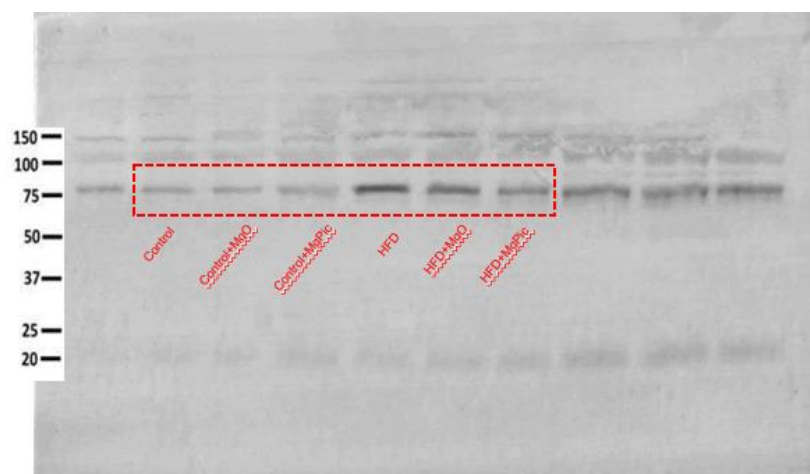
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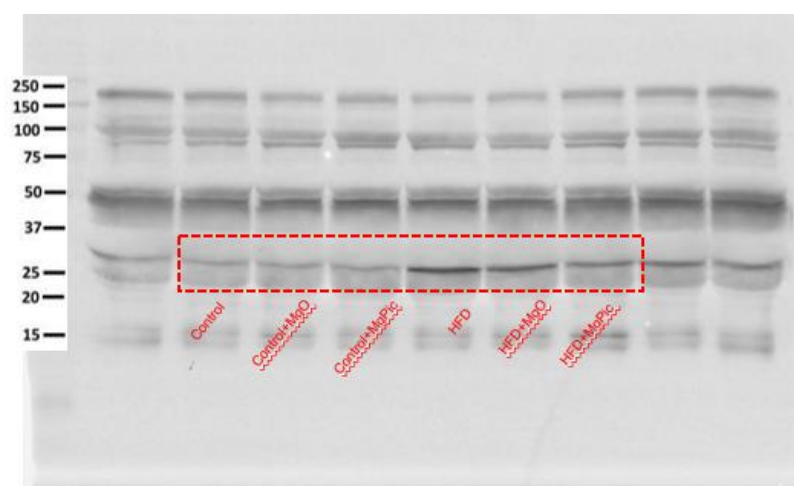
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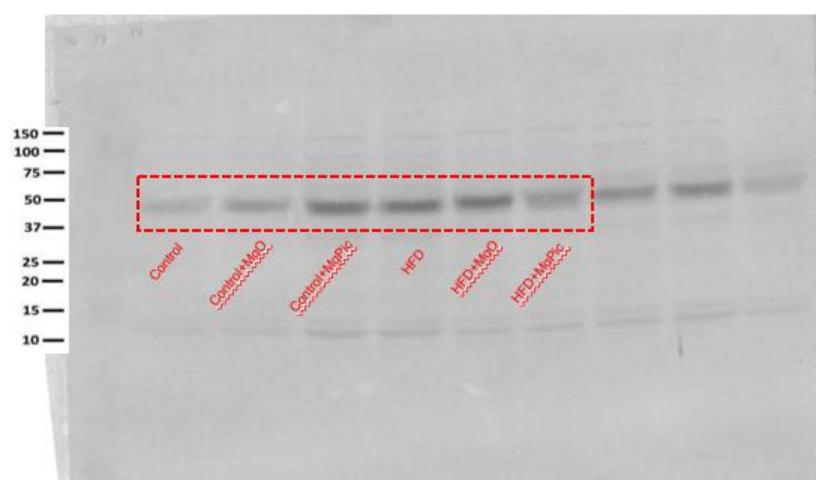
(a) RANK



(b) RANKL



(c) OPG



(d) β -Actin

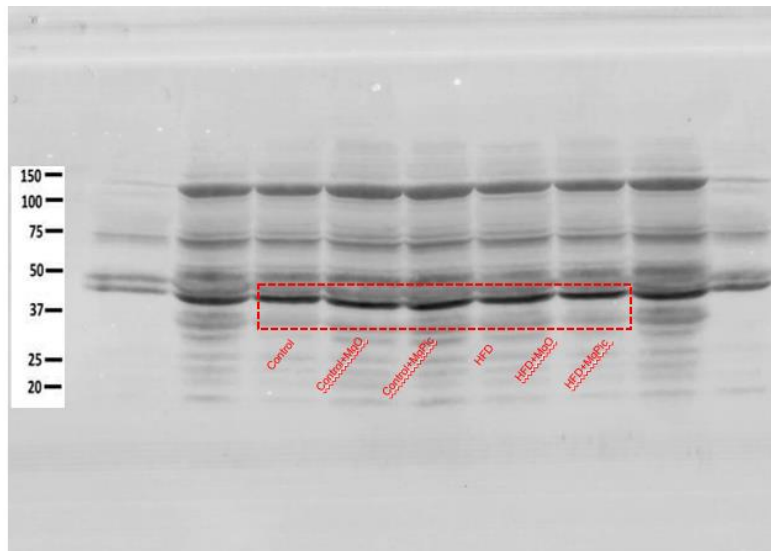
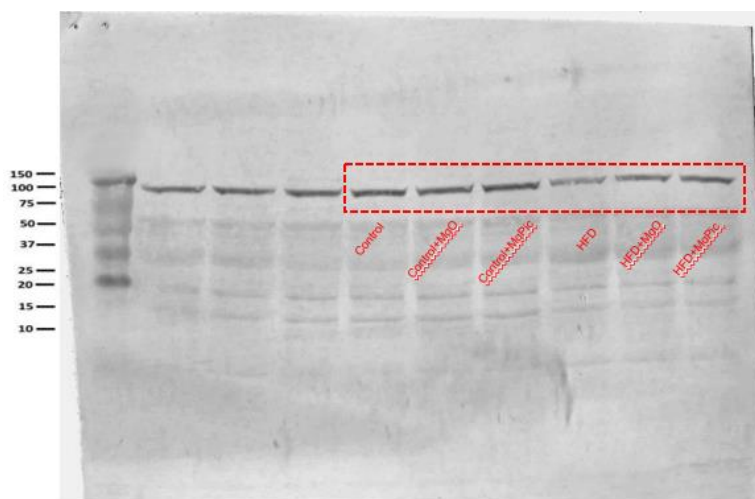
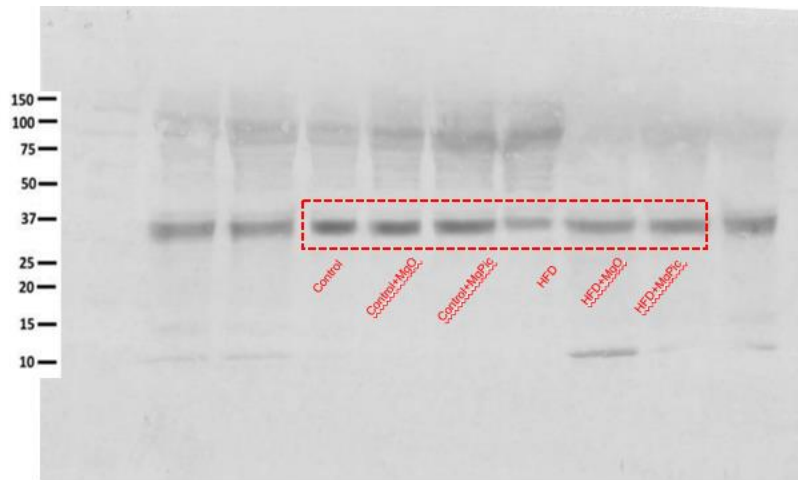


Figure. S1. Full immunoblots related to Fig. 1 on bone tissue in rats ((**a**) RANK, (**b**) RANKL, (**c**) OPG, and (**d**) β -Actin)). Each immunoblot is a representative of three independent experiments. Results shown in Fig.1 are delineated by red dotted rectangles. MW (in kDa) are indicated.

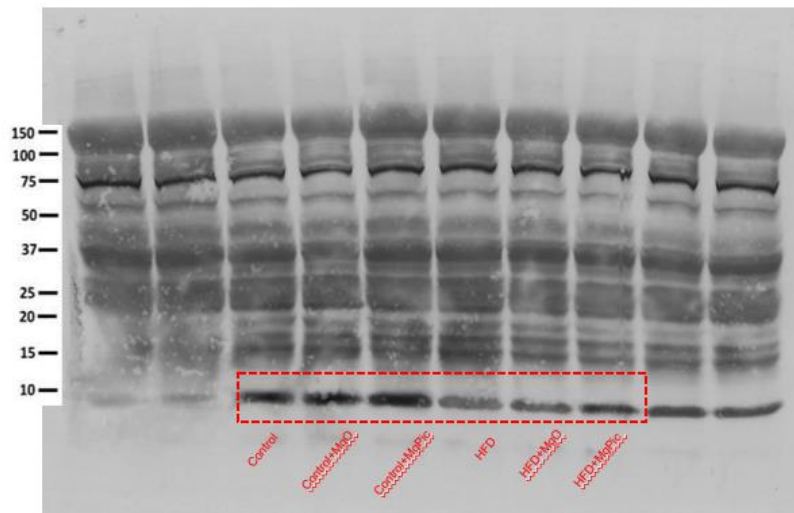
(a) IGF-1



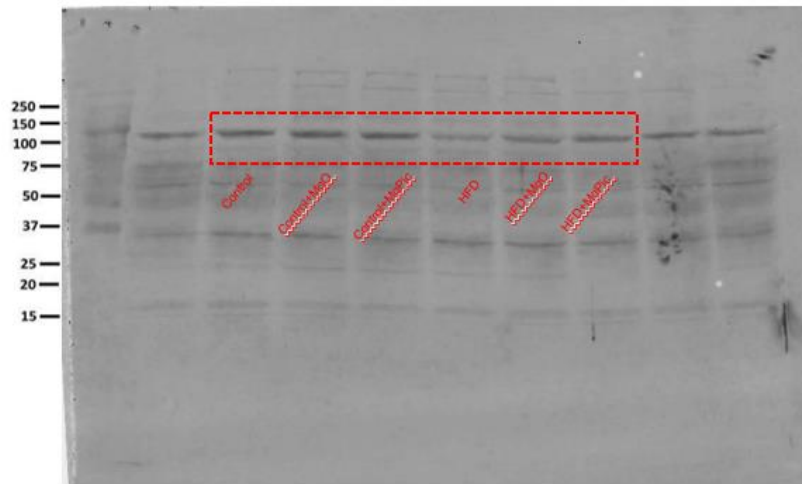
(b) BMP2



(c) OCN



(d) COL1A1



(e) β -Actin

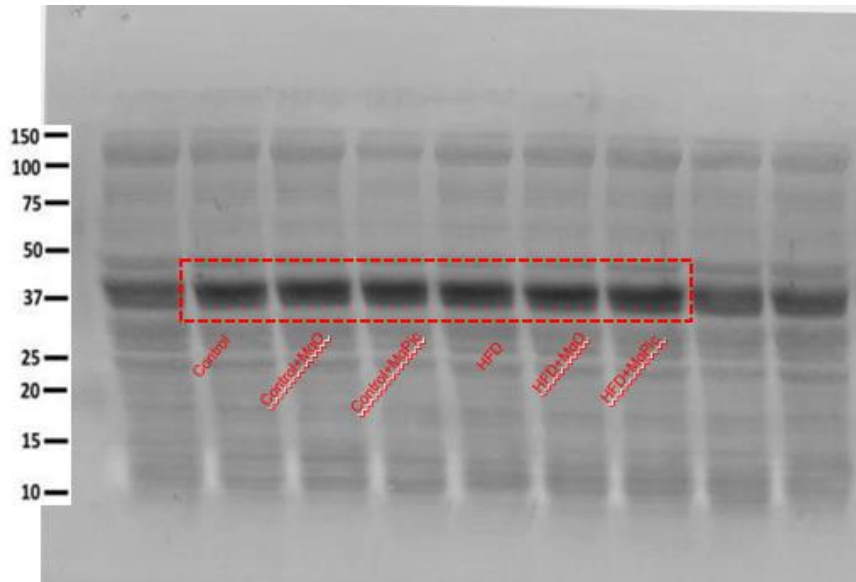
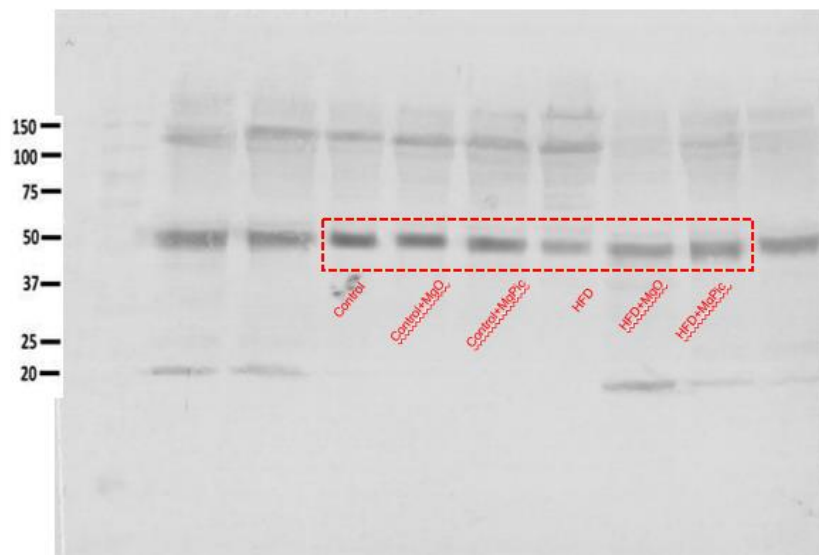
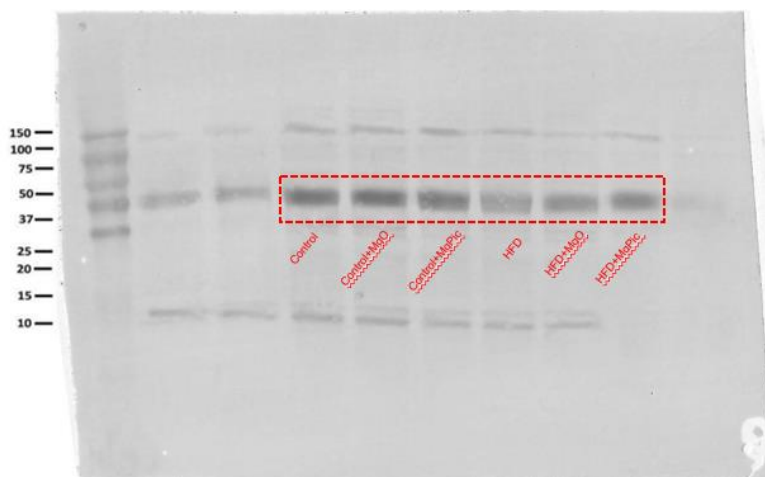


Figure. S2. Full immunoblots related to Fig. 2 on bone tissue in rats ((a) IGF-1, (b) BMP2, (c) OCN, (d) COL1A1, and (e) β -Actin)). Each immunoblot is a representative of three independent experiments. Results shown in Fig.2 are delineated by red dotted rectangles. MW (in kDa) are indicated.

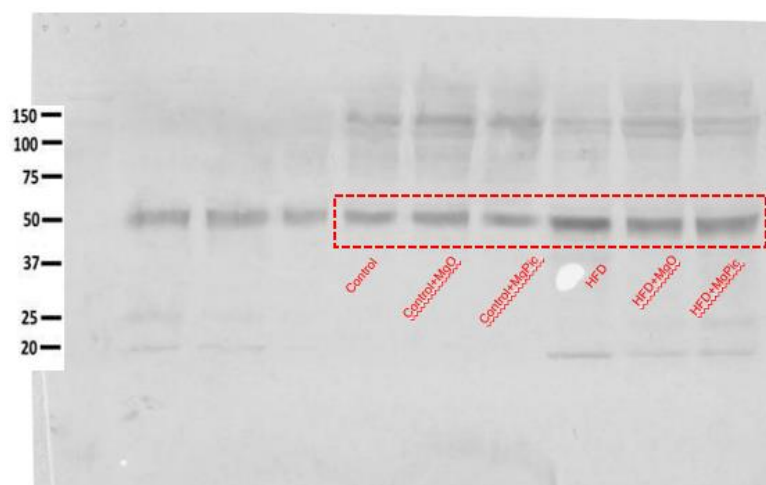
(a) Runx2



(b) Osx



(c) SOX9



(d) β -Actin

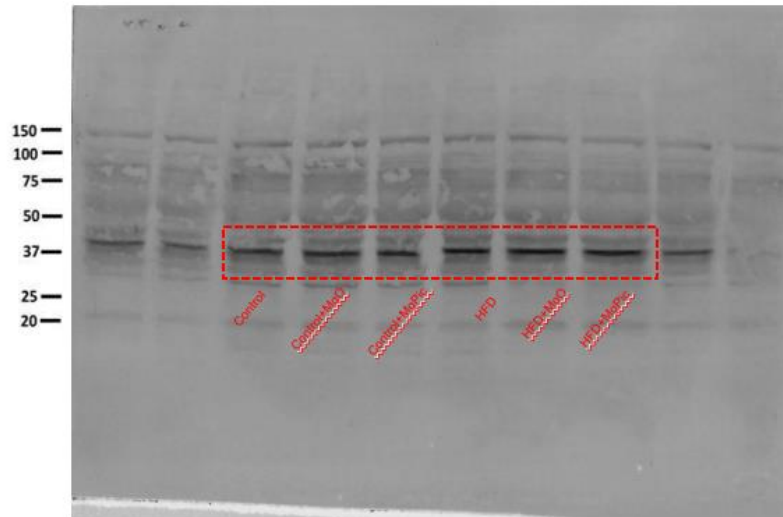


Figure. S3. Full immunoblots related to Fig. 3 on bone tissue in rats ((**a**) Runx2, (**b**) Osx, (**c**) SOX9, and (**d**) β -Actin)). Each immunoblot is a representative of three independent experiments. Results shown in Fig.3 are delineated by red dotted rectangles. MW (in kDa) are indicated.