## Supplementary file 1

List of primary antibodies used for IHC staining

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Antibody | Catalog no. | Manufacturer | Dilution | Buffer | RRID  |
| Osteocalcin | sc-30044 | Santa Cruz biotechnology | 1:50 / 1:100 | CIT | AB\_2064902 |
| DMP1 | sc-73633 | Santa Cruz biotechnology | 1:100 | TEG | AB\_2292808 |
| FGF23 | sc-16849 | Santa Cruz biotechnology | 1:75 / 1:200 | TEG | AB\_2104631 |
| FGFR1 | ab10646 | Abcam | 1:500 | TEG | AB\_297367 |
| Klotho | sc-22220 | Santa Cruz biotechnology | 1:100 / 1:200 | TEG | AB\_2131919 |
| MAGE | Gift from Prof. Spagnoli | Non-commercial | 1:500 | TEG | N.A. |
| NPT2a | sc-33928 | Santa Cruz biotechnology | 1:200 | TEG | AB\_2254836 |
| OCT4 | sc-5279  | Santa Cruz biotechnology | 1:50 / 1:100 | TEG | AB\_628051 |
| OPN | sc-73631 | Santa Cruz biotechnology | 1:100 | CIT | AB\_2194995 |
| ALP | M7191 | Abcam | 1:100 | CIT | AB\_2226182 |  |
| RUNX2 | sc-10758 | Santa Cruz biotechnology | 1:200 / 1:400 | TEG | AB\_2184247 |
| SOX9 | AB5535 | Merck Millipore | 1:400 | TEG | AB\_2239761 |

N.A. Not available

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