**Supplementary data 1: Primary antibodies used in the immunohistochemichal study**

 **Antigen studied Antibody (host) Source Dilution**

**(immunogen used)**

**RANK**

(NS50 derived human RANK Polyclonal (goat) R&D Systems 1/35

extracellular domain)

**RANKL**

(*sf* 21-derived human RANKL) Polyclonal (goat) R&D Systems 1/20

**OPG**

(*sf* 21-derived human OPG) Polyclonal (goat) R&D Systems 1/10

**CD68**

(Splenic cells isolated from a

patient with Gaucher’s disease) Monoclonal (mouse) Beckman Coulter 1/60