**Supplementary Table 1. Antibodies used for western blotting and immunohistochemistry**

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| **Antibody** | **Manufacturer** | **Cat No.** |
| IKBKE | Affinity | DF6047 |
| IL2RG | Affinity | DF6642 |
| EDNRA | Affinity | DF4923 |
| IGHA1 | ProteinTech Group | 60099-1-Ig |
| GAPDH | ZSGB | TA-08 |
| HRP-labeled goat anti-rabbit IgG(H+L) | Biosharp | BL003 |
| HRP-labeled goat anti-mouse IgG(H+L) | ZSGB | ZB2305 |