

SUPPLEMENTARY TABLES

Supplementary Table 1. The characteristics of microarray datasets obtained from GEO database.

| GEO Dataset | Platform | PMOP(n) | Control(n) | Year | Country | PMID |
|-------------|----------|---------|------------|------|---------|------------------------------------|
| GSE56815 | GPL96 | 40 | 40 | 2016 | USA | 29330445 |
| GSE7429 | GPL96 | 10 | 10 | 2008 | USA | 18433299 |
| GSE56814 | GPL96 | 31 | 42 | 2016 | USA | 30056508, 31073748, 29330445 |

Supplementary Table 2. Basic information about patients from whom samples for IHC staining in the HPA database.

| Position | Tissue | Patient ID | Sex | Age | Staining |
|----------|--------|------------|--------|-----|--------------|
| Skin | Normal | 1876 | Female | 46 | High |
| | Cancer | 2013 | Female | 85 | Low |
| Kidney | Normal | 3521 | Female | 68 | Medium |
| | Cancer | 1498 | Female | 70 | Not detected |
| Lung | Normal | 2268 | Female | 49 | High |
| | Cancer | 3016 | Female | 73 | Not detected |
| Breast | Normal | 3544 | Female | 45 | Medium |
| | Cancer | 2083 | Female | 51 | Low |
| Cervix | Normal | 2102 | Female | 57 | Medium |
| | Cancer | 4218 | Female | 29 | Not detected |
| Ovary | Normal | 2264 | Female | 60 | Medium |
| | Cancer | 2082 | Female | 57 | Low |