**Supplementary Table 2. Antibodies used in this article for immunohistochemistry and immunofluorescence**

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| --- | --- | --- | --- | --- |
| 1st Ab | 2nd Ab | Blocking reagents | Incubation time,temperature | 1st Ab dilution |
| **Immunohistochemistry** |
| p21(abcam, ab188224) | ImmPRESS Goat Anti-Rabbit IgG Polymer Kit Peroxidase (Vector Laboratories, MP-7451) | Protein Block Serum free (Dako, X0909) | RT, 1hr | 1:1000 |
| p16(SANTA CRUZ BIOTECHNOLOGY, sc-377412) | Followed by M.O.M. ImmPRESS Polymer Kit Peroxidase(Vector Laboratories, MP-2400) | RT, 30min | 1:500 |
| -H2AX(Gene Tex, GTX628789) | Followed by M.O.M. ImmPRESS Polymer Kit Peroxidase(Vector Laboratories, MP-2400) | RT, 30min | 1:500 |
| Cleaved caspase-3(Cell Signaling TECHNOLOGY, #9664) | ImmPRESS Goat Anti-Rabbit IgG Polymer Kit Peroxidase (Vector Laboratories, MP-7451) | Protein Block Serum free (Dako, X0909) | 4℃, o/n | 1:1000 |
| Ki-67(BioLegend, 151202) | ImmPRESSGoat Anti-rat IgG Polymer Kit Peroxidase (Vector Laboratories, MP-7404) | Protein Block Serum free (Dako, X0909) | RT, 1hr | 1:150 |
| **Immunofluorescence** |
| proSP-C(abcam, ab90716) | Alexa Fluor® 555 donkey Anti-Rabbit IgG H&L (abcam, ab150074) | Donkey Serum 2.5% | RT, 1hr | 1:700 |
| p21(abcam, ab107099) | Alexa Fluor® 488 donkey Anti-Rat IgG H&L  (abcam, ab150153) | Donkey Serum 2.5% | RT, 1hr | 1:1000 |

RT:　room temperature, o/n: overnight, HRP: horseradish peroxidase