**Nordic Immunohistochemical Quality Control**
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# Recommended protocol for Smad4

Obtained in run 57

19 Aug 2019

**Immunostainer**

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|---|---|
| Type: | Dako Omnis |

**Primary antibody**

| | |
|---|---|
| Clone: | D3R4N |
| Producer: | Cell Signaling |
| Product no. / lot no.: | 46535 / 2 |
| Diluent: | Renoir Red Diluent |
| Diluent producer / no.: | Biocare Medical / PD904 |
| Dilution factor: | 1:125 |
| Incubation time / temperature: | 30 min. / 36°C |

**Epitope retrieval, HIER**

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|---|---|
| Device: | On Board / On Machine |
| Buffer: | Dako Omnis Target Retrieval Solution, High pH |
| Heating time at max. temp.: | 24 min. |
| Maximum heating temp.: | 97°C |

**Visualization system**

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|---|---|
| Producer: | Dako Omnis |
| Product / no: | EnVision Flex / GV800/GV823 |
| Linker: | Rabbit LINKER |
| Incubation time linker: | 10 min. |
| Incubation time polymer: | 20 min. |
| Incubation temperature: | 36°C |

**Chromogen**

| | |
|---|---|
| Producer: | Dako Omnis |
| Product / no: | DAB+ Substrate Chromogen System / GV825 |
| Incubation time / temperature: | 10 min. / 36°C |
| Enhancement: | None |

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