Nordic Immunohistochemical Quality Control
Department of Pathology, Aalborg University Hospital, Hospitalsbyen 5, DK-9260 Gistrup, Denmark

Recommended protocol for Smad4

Obtained in run 57

26 Aug 2019

Immunostainer

Type:	Ventana Benchmark Ultra

Primary antibody

Clone:	EP618Y
Producer:	Epitomics
Product no. / lot no.:	1676-1 / YH092604C
Diluent:	Antibody Diluent
Diluent producer / no.:	Dako / S2022
Dilution factor:	1:300
Incubation time / temperature:	32 min. / 36°C

Epitope retrieval, HIER

Device:	On Board / On Machine
Buffer:	Ventana Ultra CC1
Heating time at max. temp.:	20 min.
Maximum heating temp.:	99°C

Epitope retrieval, proteolysis

Enzyme:	Protease 3
Enzyme producer / no:	Ventana / 760-2020
Incubation time / temp:	4 min. / 36°C

Visualization system

Producer:	Ventana
Product / no:	UltraView Universal DAB Detection Kit / 760-500
Incubation time polymer:	8 min.
Amplifier:	Ultraview/iView Amplification Kit
Incubation time amplifier:	8 min.
Incubation temperature:	36°C

Chromogen

Producer:	Ventana
Product / no:	ultraView Universal DAB Detection Kit / 760-500
Incubation time / temperature:	8 min. / 36°C
Enhancement:	CuSO4

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