

## **Title**

Expanding spectrum of 'spitzoid' lesions: a small series of 4 cases with *MAP2K1* mutations.

## **Journal**

Virchows Archiv

## **Authors**

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## Online Resource 1: Details immunohistochemical stains

Most stains were performed or repeated at the University Medical Center Utrecht (UMCU). For Case 1, 2 and 3 few stains were performed at the center where the case was originally seen.

### Immunohistochemical stains UMCU

Stain	Clone	Firm	Dilution
<i>ALK</i>	5A4	Novocastra	1:20
<i>BAP1</i>	C4	Santa Cruz	1:200
<i>BRAF V600E</i>	VE1	Ventana	RTU
<i>HMB-45</i>	HMB-45	DAKO	1:200
<i>Ki-67</i>	Ki-67	Ventana	RTU
<i>MelanA</i>	A103	DAKO	1:40
<i>NTRK</i>	EPR17341	Abcam	1:500
<i>p16</i>	MX007	Immunologic	1:800
<i>p21</i>	DCS-60.2	Cellmarque	RTU
<i>ROS1</i>	D4D6	Cell Signaling	1:50
<i>S100</i>	na	DAKO	1:8000

### Additional immunohistochemical stains Symbiant Pathology Expert Center (Case 1)

Stain	Clone	Firm	Dilution
<i>BAP1</i>	BSB-109	BIO-SB	1:50

### Additional immunohistochemical stains Meander Medical Center (Case 2)

Stain	Clone	Firm	Dilution
<i>ALK</i>	NCL-L-ALK	Novocastra	1:25
<i>HMB-45</i>	HMB-45	DAKO	RTU
<i>MelanA</i>	A103	DAKO	RTU
<i>Ki-67</i>	MIB-1	DAKO	RTU

### Additional immunohistochemical stains Sint Antonius Hospital (Case 3)

Stain	Clone	Firm	Dilution
<i>HMB-45</i>	HMB-45	Ventana	RTU
<i>MelanA</i>	A103	Ventana	RTU
<i>p16</i>	E6H4	Ventana	RTU

na: not applicable; RTU: ready to use