

Tumors of Muscle, Cartilage, and Bone

(Weedon Chapter 36)

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Stains that can be helpful in identifying muscle include all except:

- A. CD34
- B. Smooth muscle actin
- C. Muscle specific actin
- D. Desmin
- E. Phosphotungstic-acid hematoxylin

Answer A

Immunohistochemical staining pattern for chordoma/parachordoma

Immunohistochemical Stain	Positive or Negative
S100	
Cytokeratin	
Epithelial membrane antigen	
Smooth muscle actin	
Vimentin	

Immunohistochemical staining pattern for chordoma/parachordoma

Immunohistochemical Stain	Positive or Negative
S100	+
Cytokeratin	+
Epithelial membrane antigen	+
Smooth muscle actin	-
Vimentin	+

Helpful stains to identify cartilage include all except:

- A. S100
- B. Vimentin
- C. HMB45
- D. Alcian blue
- E. Epithelial membrane antigen

Answer C