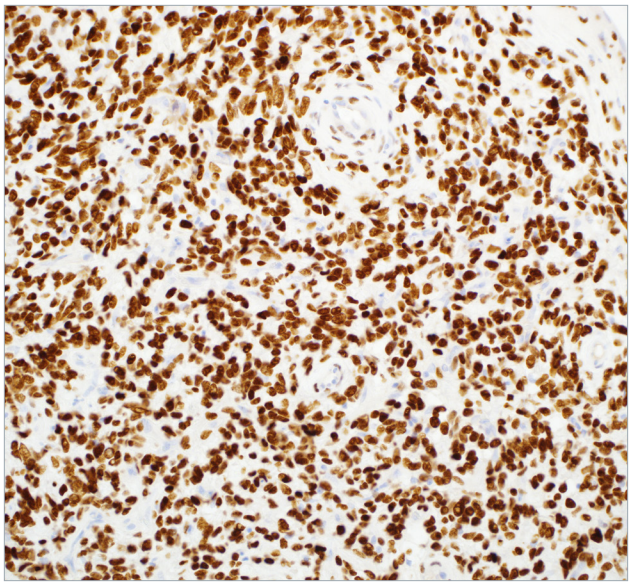
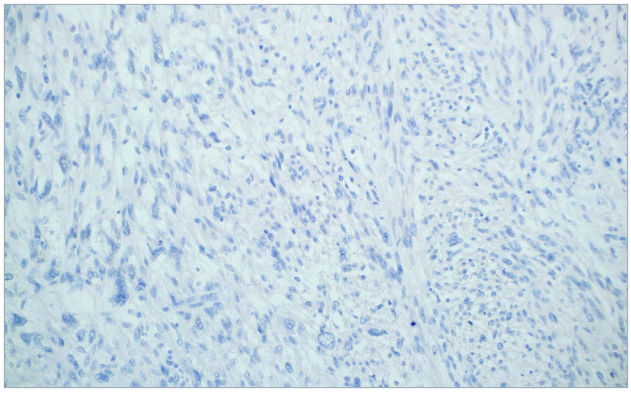
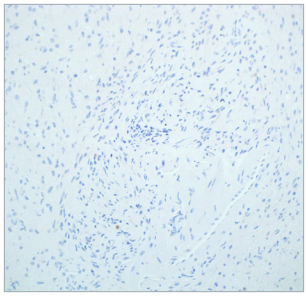
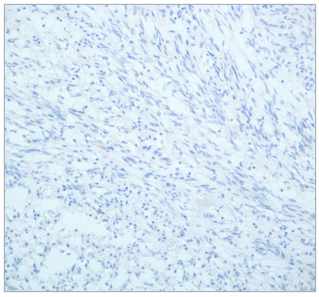
Spotlight on:
STAT6 (EP325)









Top: *STAT6 shows nuclear positivity in solitary fibrous tumors.*

Center: *STAT6 is not expressed in leiomyosarcoma.*

Bottom-Left: *Meningioma is negative for STAT6.*

Bottom-Right: *Schwannomas do not express STAT6.*

Solitary fibrous tumors (SFTs) are rare tumors of mesenchymal origin that often originate in the pleura. They are formerly known as hemangiopericytomas, though that term is rarely used by soft tissue pathologists now. Most SFTs are benign, but a small percentage (between 12-22%) are malignant.[1]

Typically , SFTs universally express CD34, which is sensitive but not specific for these neoplasms. Recently, it was discovered that a NAB2-STAT6 gene fusion on chromosome region 12q13 was found to be consistently present in SFTs. This fusion is not easily detected by molecular tests such as FISH; however, nuclear expression of anti-STAT6 via immunohistochemistry (IHC) is sensitive and specific for SFTs. This trait suggests that rabbit monoclonal STAT6 (EP325) is a highly specific and sensitive IHC marker for differential diagnosis of SFTs.[2]

Benefits of Rabbit Monoclonal STAT6:

- For *in vitro* diagnostic use
- Differentiates solitary fibrous tumors from fibrosarcoma, sarcomatoid mesotheliomas, malignant peripheral nerve sheath tumors, spindle cell carcinomas and other mimics.
- Literature cites high specificity and sensitivity of STAT6 for SFTs.[2]
- Nuclear transcription factor for easily interpreted staining

References:

1. Robinson LA. Cancer Control. 2006 Oct; 13(4):264-9.
2. Doyle LA, et al. Mod Pathol. 2014 Mar; 27(3):390-5.

Ordering Information:

Volume	Part No.	Volume	Part No.
0.1 ml, concentrate	426R-14	1 ml, prediluted	426R-17
0.5 ml, concentrate	426R-15	7 ml, prediluted	426R-18
1 ml, concentrate	426R-16	Positive control slides	426S

Using RabMAb® technology from Abcam, STAT6 has the sensitivity of a rabbit antibody with the specificity and cleanliness of a monoclonal antibody for a strong signal to noise ratio.

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