

Product datasheet MON9128

MONOSAN[®]

Rabbit anti-Human NKX3.1, clone EP356

Clone no. EP356

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Product name	Rabbit anti-Human NKX3.1, clone EP356
Host	Rabbit
Applications	IHC-P (1:50-1:200)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG
Clonality	Monoclonal
Clone number	EP356
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% Sodium Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

NKX3.1 is a prostate specific androgen-regulated homeobox gene located on chromosome 8p. It is difficult to distinguish between high grade prostate adenocarcinoma and high grade infiltrating urothelial carcinoma using hematoxylin and eosin stained specimens. Current prostate adenocarcinoma markers such as prostate specific antigen (PSA) and prostate specific acid phosphatase (PSAP) are very useful in determining prostate origin of prostate cancer in other sites, but have lower sensitivity when identifying poorly differentiated compared to well differentiated cases. NKX3.1 is a sensitive and specific tissue marker of prostate adenocarcinoma and can be used to help distinguish it from urothelial carcinomas. Currently, thrombomodulin and uroplakin are used to identify tumors of urothelial origin; however, their sensitivities are suboptimal.

References

1. Gurel B, et al. Am J Surg Pathol. 2010; 34:1097-105
2. Chuang AY, et al. Am J Surg Pathol. 2007; 31:1246-55
3. -
4. -
5. -

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