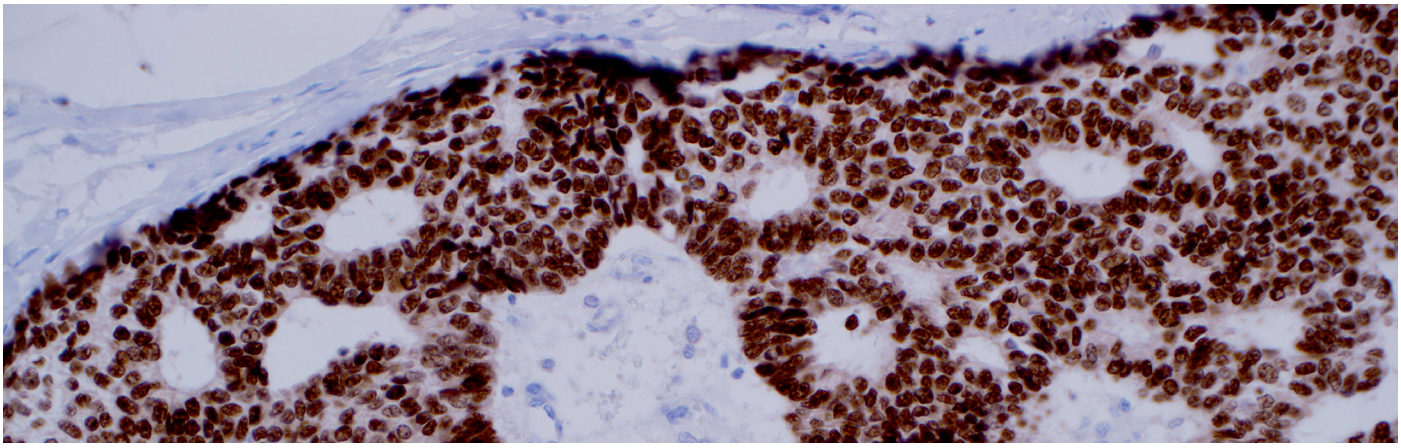

GATA3 - clone L50-823 (mouse)
most sensitive marker for breast and urothelial carcinoma

- nuclear staining (transcription factor)
- GATA3 is an important regulator of luminal differentiation of breast epithelial cells
- breast cancer: GATA3 is significantly more sensitive than mammaglobin and GCDFP-15[5-12]
- urothelial carcinoma: GATA3 is more sensitive than p63, particularly in invasive and poorly differentiated tumors[13-18]
- carcinoma of unknown primary (CUP): GATA3 positivity indicates breast or bladder origin[5,7,8,13,17]

Ordering Information GATA3, clone L50-823 (mouse)

Available sizes:	**Cat. No.**
0.1 ml concentrate	390M-14
0.5 ml concentrate	390M-15
1.0 ml concentrate	390M-16
1.0 ml predilute ready-to-use	390M-17
7.0 ml predilute ready-to-use	390M-18
5 positive control slides	390S

IVD CE

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GATA3 References

Reviews

1. Asch-Kendrick R, Cimino-Mathews A. The role of GATA3 in breast carcinomas: a review. Hum Pathol 2016; 48: 37-47.
2. Miettinen M, et al. GATA3: a multispecific but potentially useful marker in surgical pathology: a systematic analysis of 2500 epithelial and nonepithelial tumors. Am J Pathol 2014; 38: 13-22.
3. Ordóñez NG. Value of GATA3 immunostaining in tumor diagnosis: a review. Adv Anat Pathol 2013; 20: 352-360.
4. Takaku M, et al.GATA3 in breast cancer: tumor suppressor or oncogene? Gene Expr 2015; 16: 163-168.

Gynaecopathology

5. Davis DG, et al. GATA-3 and FOXA1 expression is useful to differentiate breast carcinoma from other carcinomas. Hum Pathol 2016; 47: 26-31.
6. McCleskey BC, et al. GATA3 expression in advanced breast cancer: prognostic value and organ-specific relapse. Am J Clin Pathol 2015; 144: 756-763.
7. Lew M, et al. The utility of GATA3 immunohistochemistry in the evaluation of metastatic breast carcinomas in malignant effusions. Cancer Cytopathol 2015; 123: 576-581.
8. Deftereos G, et al. GATA3 immunohistochemistry expression in histologic subtypes of primary breast carcinoma and metastatic breast carcinoma cytology. Am J Surg Pathol 2015; 39: 1282-1289.
9. Krings G, et al. Diagnostic utility and sensitivities of GATA3 antibodies in triple-negative breast cancer. Hum Pathol 2014; 45: 2225-2232.
10. Hisamatsu Y, et al. Impact of GATA-3 and FOXA1 expression in patients with hormone receptor-positive/HER2-negative breast cancer. Breast Cancer 2015; 22: 520-528.
11. Banet N, et al. GATA-3 expression in trophoblastic tissues: an immunohistochemical study of 445 cases, including diagnostic utility. Am J Surg Pathol 2015; 39: 101-108.
12. Howitt BE, et al. GATA3 is a sensitive and specific marker of benign and malignant mesonephric lesions in the lower female genital tract. Am J Surg Pathol 2015; 39: 1411-1419.

Uropathology

13. Amin MB, et al. Best practices recommendations in the application of immunohistochemistry in the bladder lesions: report from the International Society of Urologic Pathology consensus conference. Am J Surg Pathol 2014; 38: e20-34.
14. Tian W, et al. Utility of uroplakin II expression as a marker of urothelial carcinoma. Hum Pathol 2015; 46: 58-64.
15. Mohanty SK, et al. Evaluation of contemporary prostate and urothelial lineage biomarkers in a consecutive cohort of poorly differentiated bladder neck carcinomas. Am J Clin Pathol 2014; 142: 173-183.
16. Zhao L, et al. Is GATA3 expression maintained in regional metastases? A study of paired primary and metastatic urothelial carcinomas. Am J Surg Pathol 2013; 37: 1876-1881.
17. Brandler TC, et al. Usefulness of GATA3 and p40 immunostains in the diagnosis of metastatic urothelial carcinoma in cytology specimens. Cancer Cytopathol 2014; 122: 468-473.
18. Siddiqui MT, et al. GATA3 expression in metastatic urothelial carcinoma in fine needle aspiration cell blocks: a review of 25 cases. Diagn Cytopathol 2014; 42: 809-815.

First-hand information
www.medac-diagnostika.de

medac • Theaterstrasse 6 • 22880 Wedel
Phone +49 (0)4103 8006-340 • Fax +49 (0)4103 8006-359 • www.medac-diagnostika.de • diagnostics@medac.de

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