

Mouse Anti-FOXA1/HNF3A [FOXA1/1512]: MC0275, MC0275RTU7

Intended Use: For Research Use Only

Description: The transcription factor Forkhead-box A1 (FOXA1), also known as hepatocyte nuclear factor 3-alpha, is a member of the FOX class of transcription factors. FOXA1 has been identified as a hepatocyte enriched factor required for the expression of transthyretin and α 1-antitrypsin. Recently, FOXA1 has been shown to be a major determinant of estrogen-ER activity and endocrine response in breast cancer cells. FOXA1 expression correlates with estrogen receptor (ER)-positivity, especially in luminal subtype A breast cancers, which is associated with favorable prognosis.

Specifications:

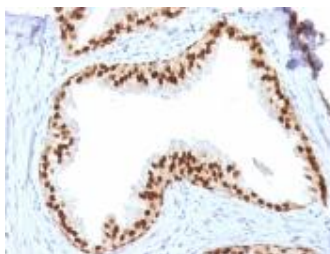
Clone: FOXA1/1512
 Source: Mouse
 Isotype: IgG1
 Reactivity: Human
 Localization: Nucleus
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., IF, WB
 Package:

Description	Catalog No.	Size
FOXA1/HNF3A Concentrated	MC0275	1 ml
FOXA1/HNF3A Prediluted	MC0275RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Breast cancer
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human prostate stained with anti-FOXA1 using DAB

References:

1. A study of FoxA1 expression in thyroid tumors. Nonaka D et al. Hum Pathol. 2017.
2. GATA-3 and FOXA1 expression is useful to differentiate breast carcinoma from other carcinomas. Davis DG et al. Hum Pathol. 2016.
3. Comparative Cistromics Reveals Genomic Cross-talk between FOXA1 and ER α in Tamoxifen-Associated Endometrial Carcinomas. Droog M et al. Cancer Res. 2016.

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Rev. A