c-Myc Antibody

Datasheet

For Research Use Only

Description	Catalog No.	Size
c-Myc Concentrate	FP-A077-01	0.1 ml
c-Myc Concentrate	FP-A077-05	1 ml
c-Myc Predilute	FP-A077-70	7 ml

Description

c-Myc is a phosphoprotein involved with cell proliferation and differentiation. It is a useful marker for differentiation between Burkitt's lymphoma (BL) and diffuse large B-cell lymphoma (DLBCL) since, despite morphological similarities between the two B-cell lymphomas, Anti-c-Myc stains all BL and only a few DLBCL cases. A panel of antibodies against c-Myc, CD10, BCL2, and Ki-67 is useful for cases where Myc FISH analysis is warranted or can be omitted. Nuclear c-Myc overexpression is common in luminal cells of prostate intraepithelial neoplasia, many primary carcinomas, and metastatic disease.

Specifications

Clone	IHC548
Source	Mouse Monoclonal
Applications	IHC (P)
Formulation	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide

IHC Procedure*

Positive Control Tissue	Breast Carcinoma
Concetrated Dilution	1:50 – 1:200
Pretreatment	Perform heat-induced epitope retrieval (HIER) at pH 9 for 10 to 30 minutes
Incubation Time and Temp	10 to 30 minutes at room temperature
Detection	Refer to the detection system manual

*Result should confirmed by an established diagnostic procedure.

Result

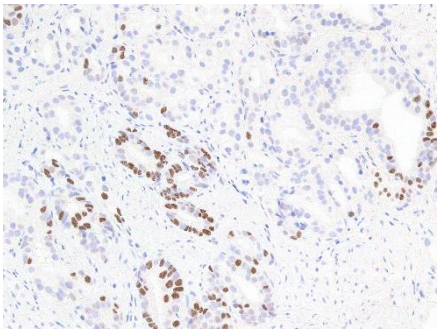

Figure. c-Myc on Stomach

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Storage and Handling

Must store the reagent at 2-8 °C. Do not freeze. Do not use the reagent after expiration date on vial. To ensure proper stability and delivery of the antibody after each run, replace the cap and immediately place the bottle in a refrigerator in an upright position. Positive and negative controls should be simultaneously run with unknown specimens, as there are no conclusive characteristics to suggest instability of the antibody.

Precautions

For research use only. Do not use for diagnosis purpose.

References

1. **Green TM**, et al. "High levels of nuclear MYC protein predict the presence of MYC rearrangement in diffuse large B-cell lymphoma." Am J Surg Pathol. 2012 Apr;36(4):612-9.
2. **Aukema SM**, et al. "Double-hit B-cell lymphomas." Blood. 2011 Feb 24;117(8):2319-31.
3. **Gurel B**, et al. "Nuclear MYC protein overexpression is an early alteration in human prostate carcinogenesis." Mod Pathol. 2008 Sep;21(9):1156-67.

Technical Support

Contact FemtoPath Technical Support at +886232338585 or email to femtopath@hongjing.com.tw for questions regarding this product.