

Stathmin Antibody

Datasheet

For Research Use Only

Description	Catalog No.	Size
Stathmin Concentrate	FP-A092-01	0.1 ml
Stathmin Concentrate	FP-A092-10	1 ml
Stathmin Predilute	FP-A092-70	7 ml

Description

Stathmin regulates microtubule dynamics in the cell cycle. It is present in all tissues, but is mostly pronounced in constantly proliferating cell types. Anti-Stathmin staining has been found to correlate with cervical intraepithelial neoplasia (CIN) grade, with CIN 3 presenting the greatest expression and CIN 1 displaying the least expression of stathmin.

Specifications

Clone	IHC667
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	Tonsil, Cervical Intraepithelial Neoplasia-High Grade
Dilution Range	1:50– 1:200
Pretreatment	Perform heat-induced epitope retrieval (HIER) at pH for 10 to 30 minutes
Incubation Time and Temp	10 to 30 minutes at room temperature
Detection	Refer to the corresponding user manual for detection system

*Result should be confirmed by an established diagnostic procedure.

Result

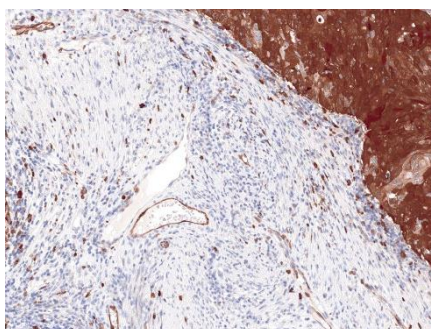


Figure. Stathmin on Cervical Cancer.



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

The product is for research use only. Do not use for diagnosis purpose. Ensure proper handling procedures are used with all reagents. Always wear laboratory coats, disposable gloves, and other appropriate laboratory equipment when handling reagents. Do not ingest reagents, and avoid contact with eyes and mucous membranes. Wash eyes with copious amounts of water if contact occurs.

References

1. **Rubin CI**. “The role of stathmin in the regulation of the cell cycle.” *J Cell Biochem.* 2004 Oct 1;93(2):242-50.
2. **Belletti B**, et al. “Stathmin: a protein with many tasks. New biomarker and potential target in cancer.” *Expert Opin Ther Targets.* 2011 Nov;15(11):1249-66.
3. **Syrjanen KJ**, et al. “Spontaneous evolution of intraepithelial lesions according to the grade and type of the implicated human papillomavirus (HPV).” *Eur J Obstet Gynecol Reprod Biol.* 1996 Mar;65(1):45-53.
4. **Howitt BE**, et al. “Stathmin-1 expression as a complement to p16 helps identify high-grade cervical intraepithelial neoplasia with increased specificity.” *Am J Surg Pathol.* 2013 Jan;37(1):89-97.

Technical Support

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