

# Stathmin (Clone EP247)

## Rabbit Monoclonal Antibody

**Specificity:** Human. Others-not tested

**Immunogen:** A synthetic peptide corresponding to residues of human stathmin protein

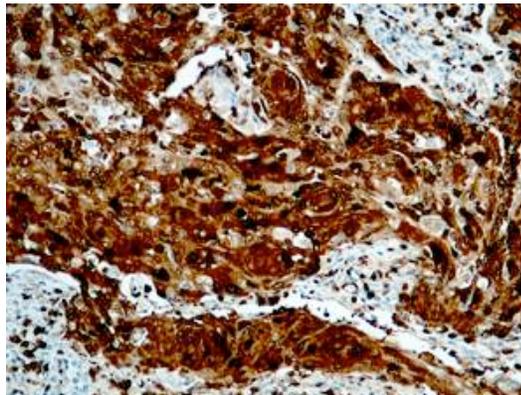
**Ig Class:** Rabbit IgG

**Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:50-100. *Positive Control:* Cervical squamous cell carcinoma. *Cellular Localization:* Cytoplasmic. *Intended Use:* In vitro diagnosis (IVD).

**Description:** Stathmin, also known as oncoprotein 18 (Op18), is a ubiquitously expressed 19-kDa cytosolic phosphoprotein responsible for integrating various cellular regulatory signals. Stathmin has been implicated in both G1-S and G2-M checkpoint control of cell cycle progression and play a major role in cell proliferation, differentiation, development and morphogenesis. Overexpression of stathmin has been associated with tumor progression in endometrial carcinomas, ovarian cancer and oral squamous cell carcinoma. Previously, cervical intraepithelial neoplasia (CIN) can be detected through p16 immunostaining. However, p16 is not ideal marker since it stains positively in roughly 70% of CIN1 cases and could potentially lead to overtreatment in women diagnosed with CIN. Stathmin rarely labels in CIN1 cases (9%), and is progressively positive in CIN2 (45%), CIN3 (93%), all of adenocarcinoma in situ and invasive squamous cell carcinoma and adenocarcinoma cases.

**Supplied As:** Purified antibody fraction from rabbit anti-serum with 0.2% BSA and 15mM sodium azide.



*Formalin-fixed, paraffin-embedded human cervical squamous cell carcinoma stained with anti-stathmin using peroxidase-conjugate and DAB chromogen. Note cytoplasmic staining of tumor cells*

**Cat. #Z2265 (1.0 ml)**

