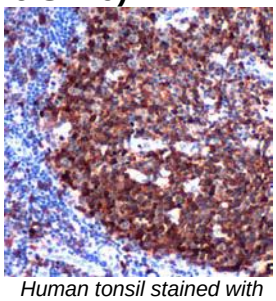
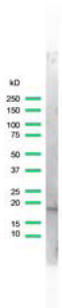
Rabbit Anti-Human Stathmin Monoclonal Antibody (Clone SP49)



Human tonsil stained with anti-stathmin antibody



Western Blot analysis of NIH3T3 cell lysate with stathmin antibody

CATALOG #:

M3490 0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M3494 1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.

M3491 7 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.*(For IHC only)*

INTENDED USE: For Research Use Only. Not for use in diagnostic procedures.

CLONE: SP49

IMMUNOGEN: A synthetic peptide derived from the internal region of human stathmin.

IG ISOTYPE: Rabbit IgG

EPITOPE: Internal region

MOLECULAR WEIGHT 18kDa

SPECIES REACTIVITY: Human (tested). Others not tested.

DESCRIPTION: Stathmin is a ubiquitous cytosolic phosphoprotein proposed to function as an intracellular relay integrating regulatory signals of the cellular environment. The encoded protein is involved in the regulation of the microtubule filament system by destabilizing microtubules. It prevents assembly and promotes disassembly of microtubules. Alternatively spliced transcript variants encoding the same protein have been identified.

APPLICATIONS: Immunohistochemistry (IHC) and Western Blotting

IHC PROCEDURE:

Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.
Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.
Antibody Dilutions: If using the concentrate format of this product, dilute the antibody 1:100 prior to use. The dilutions are estimates; actual results may differ because of variability in methods and protocols.
Antigen Retrieval: Boil tissue section in 10mM Citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.
Primary Antibody: Incubate for 30 minutes at RT.
Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.
Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

WESTERN BLOTTING: Recommended starting protocol: Dilute the antibody 1:25. Incubate for 1 hour at room temperature. The dilution is an estimate; actual results may differ because of variability in methods and protocols. Optimal dilution and procedure should be determined by the end user.

POSITIVE CONTROL: Tonsil , breast carcinoma

CELLULAR LOCALIZATION: Cytoplasm

STORAGE & STABILITY Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

WARNINGS & PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.

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