

## ALK/p80 (Clone SP8)

### Rabbit Monoclonal Antibody

Cat. #RM-9108-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)

Cat. #RM-9108-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)

Please note this data sheet has been changed effective July 30, 2009

#### Description:

Recognizes a human p80 protein, identified as a hybrid of the anaplastic lymphoma kinase (ALK) gene and the nucleophosmin (NPM) gene resulting from the t(2;5)(p23;q35) translocation found in 30-50% of CD30+ large cell lymphomas (1). This rabbit monoclonal antibody can be used to detect p80 in these lymphomas and may also be used to detect a recently described subtype of large B cell lymphoma, which expresses the full-length ALK protein (2).

**Comments:** Clone SP8 is excellent for staining of formalin/paraffin tissue.

**Epitope:** Not determined

**Ig Isotype:** Rabbit IgG

**Species Reactivity:** Human. Others not tested.

**Clone Designation:** SP8

#### Immunogen:

Recombinant protein corresponding to a region, which spans the tyrosine kinase catalytic domain and part of the C-terminus of the NPM-ALK transcript.

#### Applications and Suggested Dilutions:

- Immunohistology (Formalin/paraffin): 1: 50 to 1:100 for 30 min at RT with LV's UltraVision
- \* Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (Cat. #AP-9003), for 10-20 min followed by cooling at RT for 20 min.]

The optimal dilution for a specific application should be determined by the investigator.

**Positive Control:** Anaplastic lymphoma

**Cellular Localization:** Cytoplasmic + nuclear

#### Supplied As:

Tissue culture supernatant with 15mM sodium azide.  
or

Prediluted antibody which is ready-to-use for immunohistochemical staining.

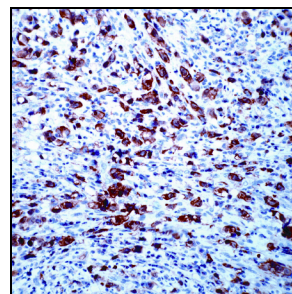
#### Storage and Stability:

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

#### Key References:

1) Kutok JL and JC Aster, J Clin Oncol V20:17 3691-3702 Sep 2002.

2) Onciu M, et. al., Blood 2003 Oct 1;102(7):2642-4



Anaplastic lymphoma stained with anti-ALK/p80 (Cat# RM-9108) using AEC chromagen.

#### Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

#### Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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