

Survivin Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50282

Clone# BP6259

Predicted Molecular Wt: 16kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: O15392

Background:

Survivin is a 16 kDa anti-apoptotic protein highly expressed during fetal development and cancer cell malignancy. Survivin binds and inhibits caspase-3, controlling the checkpoint in the G2/M-phase of the cell cycle by inhibiting apoptosis and promoting cell division. This regulatory process requires the phosphorylation of survivin at Thr34 by p34 cdc2 kinase. Gene targeting using a Thr34 phosphorylation-defective survivin mutant, as well as antisense survivin, have been shown to inhibit tumor growth.

Survivin is expressed in tonsil, testis, fetal tissue and all kinds of tumors. Survivin is not thought to be expressed in adult terminally differentiated cells, but recent evidence has also shown expression on adult vascular endothelial cells, T cells, red blood cells, and hematopoietic progenitor cells.

Survivin is mainly used in the diagnosis of hepatocellular carcinoma, endometrial carcinoma and squamous cell carcinoma.

Subcellular location:

Nucleus

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide. This information is proprietary to Biolynx.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

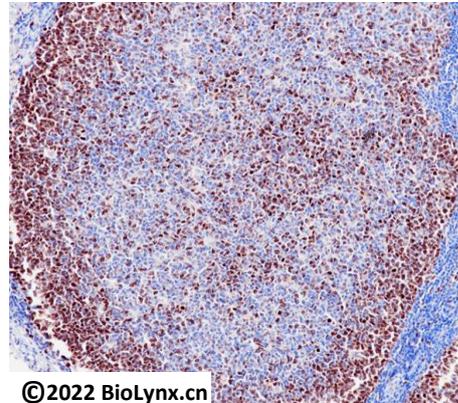
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

- Olie, R.A. et al. (2000) Cancer Res. 60, 2805-2809.
- Grossman, D. et al. (2001) Proc. Natl. Acad. Sci. USA 98, 635-640.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil labelling Survivin with BP6259.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.