Survivin / BIRC5 Antibody

Mouse Monoclonal Antibody [Clone BIRC5/7775]

Catalog No	Format	Size
332-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
332-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
332-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

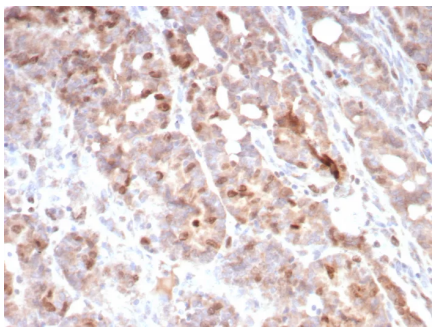
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

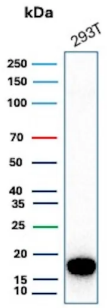
Clone	BIRC5/7775
Gene Name	BIRC5
Immunogen	Recombinant fragment (around aa1-142) of human BIRC5 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	17kDa
Cellular Localization	Nucleus. Cytoplasm.
Species Reactivity	Human
Positive Control	293T, Human fetal kidney|liver|lymphoma or adenocarcinoma.

**Optimal dilution for a specific application should be determined.*

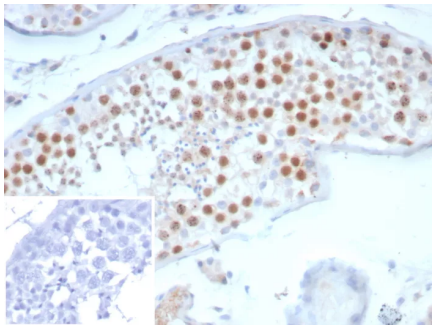
Product Images for Survivin / BIRC5 Antibody



Formalin-fixed, paraffin-embedded human colon carcinoma stained with Survivin / BIRC5 Mouse Monoclonal Antibody (BIRC5/7775). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Western Blot Analysis of 293T lysate using Survivin Mouse Monoclonal Antibody (BIRC5/7775).



Formalin-fixed, paraffin-embedded human testis stained with Survivin / BIRC5 Mouse Monoclonal Antibody (BIRC5/7775). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

The baculovirus protein p35 inhibits virally induced apoptosis of invertebrate and mammalian cells and may function to impair the clearing of virally infected cells by the host s immune system. This is accomplished at least in part by its ability to block both TNF- and FAS-mediated apoptosis through the inhibition of the ICE family of serine proteases. Two mammalian homologs of baculovirus p35, referred to as inhibitor of apoptosis protein (IAP) 1 and 2, share an amino terminal baculovirus IAP repeat (BIR) motif and a carboxy terminal RING finger. Although the c-IAPs do not directly associate with the TNF receptor (TNF-R), they efficiently block TNF-mediated apoptosis through their interaction with the downstream TNF-R effectors, TRAF1 and TRAF2. Additional IAP family members include ILP (for IAP-like protein) and survivin. ILP inhibits activated caspase-3, leading to the resistance of FAS-mediated apoptosis. Survivin (also designated TIAP) is expressed during the G2/M phase of the cell cycle and associates with microtubules of the mitotic spindle. Increased caspase-3 activity is detected when a disruption of survivin-microtubule interactions occurs.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Apoptosis, Autophagy, Colon Cancer, Cytokine Signaling, Immunology, Ovarian Cancer, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.