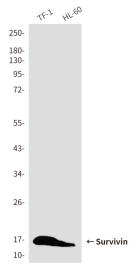
Survivin (8B9) Mouse mAb

db6518 **Package : 50μL 100μL**

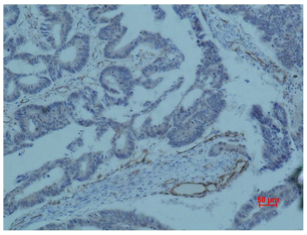
Product Name : Survivin (8B9) Mouse mAb
Cat.No.: db6518
Synonyms : BIRC5; API4; IAP4; Baculoviral IAP repeat-containing protein 5; Apoptosis inhibitor 4; Apoptosis inhibitor survivin
Application : WB, IHC-P
Reactivity : Human, Rat
Host species : Mouse

Background	Multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis (PubMed/9859993, PubMed/21364656, PubMed/20627126). Component of a chromosome passage protein complex (CPC) which is essential for chromosome alignment and segregation during mitosis and cytokinesis (PubMed/16322459). Acts as an important regulator of the localization of this complex; directs CPC movement to different locations from the inner centromere during prometaphase to midbody during cytokinesis and participates in the organization of the center spindle by associating with polymerized microtubules (PubMed/20826784). Involved in the recruitment of CPC to centromeres during early mitosis via association with histone H3 phosphorylated at 'Thr-3' (H3pT3) during mitosis (PubMed/20929775). The complex with RAN plays a role in mitotic spindle formation by serving as a physical scaffold to help deliver the RAN effector molecule TPX2 to microtubules (PubMed/18591255). May counteract a default induction of apoptosis in G2/M phase (PubMed/9859993). The acetylated form represses STAT3 transactivation of target gene promoters (PubMed/20826784). May play a role in neoplasia (PubMed/10626797). Inhibitor of CASP3 and CASP7 (PubMed/21536684). Isoform 2 and isoform 3 do not appear to play vital roles in mitosis (PubMed/12773388, PubMed/16291752). Isoform 3 shows a marked reduction in its anti-apoptotic effects when compared with the displayed wild-type isoform (PubMed/10626797).
Immunogen	Recombinant Protein of Survivin
Gene ID	332
Swiss Prot	O15392
Synonyms	BIRC5; API4; IAP4; Baculoviral IAP repeat-containing protein 5; Apoptosis inhibitor 4; Apoptosis inhibitor survivin
Reactivity	Human, Rat
Application	WB, IHC-P
Recommended dilution	WB: 1:500-1000

	IHC: 1:50-1:100
Calculated MW	16 kDa
Observed MW	16 kDa
Host species	Mouse
Clonality	Monoclonal
Clonality No.	8B9-6G6-1G4
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of Survivin in TF1, HL6 lysates using Survivin (8B9) antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon caricnoma using Survivin antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.