



Survivin Polyclonal Antibody

E20-53386

Catalog Number:E20-53386

Product name:Survivin Polyclonal Antibody

Amount:100ul

Applications:IHC-p

Reactivity:Human, Mouse, Rat

Gene Name:BIRC5

Protein Name:Baculoviral IAP repeat-containing protein 5

Human Gene Id:332

Human Swiss Prot No:O15392

Mouse Swiss Prot No:O70201

Rat Swiss Prot No:Q9JHY7

Immunogen:Recombinant Protein of Survivin

Specificity:The antibody detects endogenous Survivin protein.

Formulation:PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Source:Rabbit

Dilution:IHC: 1:200-500

Purification:The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Storage Stability:-20°C/1 year

Other Names:BIRC5; API4; IAP4; Baculoviral IAP repeat-containing protein 5; Apoptosis inhibitor 4; Apoptosis inhibitor survivin

Background:baculoviral IAP repeat containing 5(BIRC5) Homo sapiens This gene is a member of the inhibitor of apoptosis (IAP) gene family, which encode negative regulatory proteins that prevent apoptotic cell death. IAP family members usually contain multiple baculovirus IAP repeat (BIR) domains, but this gene encodes proteins with only a single BIR domain. The encoded proteins also lack a C-terminus RING finger domain. Gene expression is high during fetal development and in most tumors, yet low in

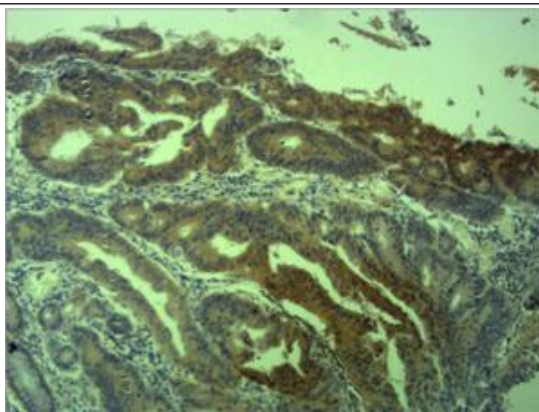
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adult tissues. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2011].

Function:domain:The BIR repeat is necessary and sufficient for HBXIP binding.,function:May play a role in neoplasia. May counteract a default induction of apoptosis in G2/M phase. Interacts with tubulin. Inhibitor of caspase-3 and caspase-7. Component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly.

Subcellular Location:nuclear chromosome,chromosome, centromeric region,condensed chromosome kinetochore, nucleus,nucleoplasm,cytoplasm,centriole,spindle,cytosol,microtubule,spindle microtubule, cytoplasmic microtubule.

Expression:Epithelium, Eye, Lung, Mammary cancer, Mammary gland, Muscle.



Immunohistochemical analysis of paraffin-embedded human Colon carcinoma using Survivin Polyclonal Antibody.