

p18 Polyclonal Antibody

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| Catalog No : | YT3495 |
| Reactivity : | Human;Mouse;Monkey |
| Applications : | WB;IHC;IF;ELISA |
| Target : | p18 |
| Fields : | >>Endocrine resistance;>>Cell cycle;>>Cushing syndrome;>>Human T-cell leukemia virus 1 infection;>>Transcriptional misregulation in cancer |
| Gene Name : | CDKN2C |
| Protein Name : | Cyclin-dependent kinase 4 inhibitor C |
| Human Gene Id : | 1031 |
| Human Swiss Prot No : | P42773 |
| Mouse Gene Id : | 12580 |
| Mouse Swiss Prot No : | Q60772 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human p18 INK. AA range:111-160 |
| Specificity : | p18 Polyclonal Antibody detects endogenous levels of p18 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 18kD

Cell Pathway : Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;

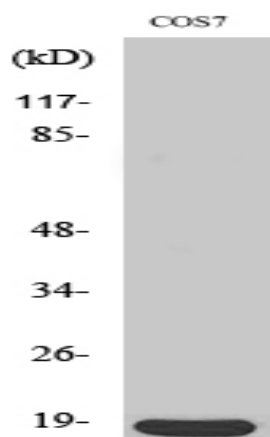
Background : The protein encoded by this gene is a member of the INK4 family of cyclin-dependent kinase inhibitors. This protein has been shown to interact with CDK4 or CDK6, and prevent the activation of the CDK kinases, thus function as a cell growth regulator that controls cell cycle G1 progression. Ectopic expression of this gene was shown to suppress the growth of human cells in a manner that appears to correlate with the presence of a wild-type RB1 function. Studies in the knockout mice suggested the roles of this gene in regulating spermatogenesis, as well as in suppressing tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode an identical protein, have been reported. [provided by RefSeq, Jul 2008],

Function : disease:Defects in CDKN2C are involved in tumor formation.,function:Interacts strongly with CDK6, weakly with CDK4. Inhibits cell growth and proliferation with a correlated dependence on endogenous retinoblastoma protein RB.,similarity:Belongs to the CDKN2 cyclin-dependent kinase inhibitor family.,similarity:Contains 4 ANK repeats.,subunit:Heterodimer of p18 with CDK6.,tissue specificity:Highest levels found in skeletal muscle. Also found in pancreas and heart.,

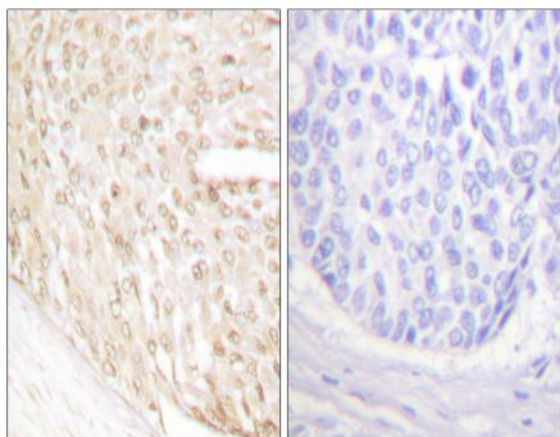
Subcellular Location : nucleus,cytoplasm,cytosol,

Expression : Highest levels found in skeletal muscle. Also found in pancreas and heart.

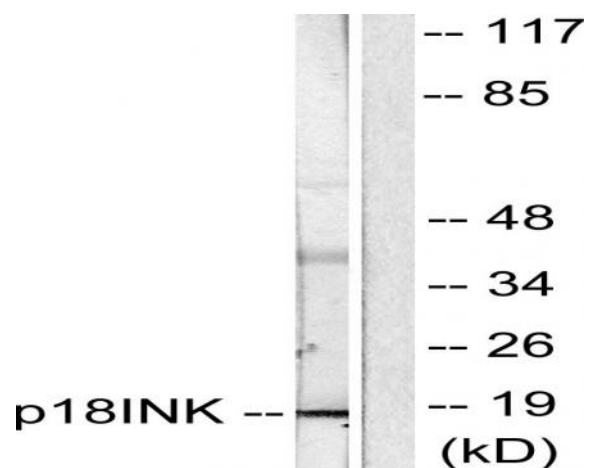
Products Images



Western Blot analysis of various cells using p18 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using p18 INK Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using p18 INK Antibody. The lane on the right is blocked with the synthesized peptide.