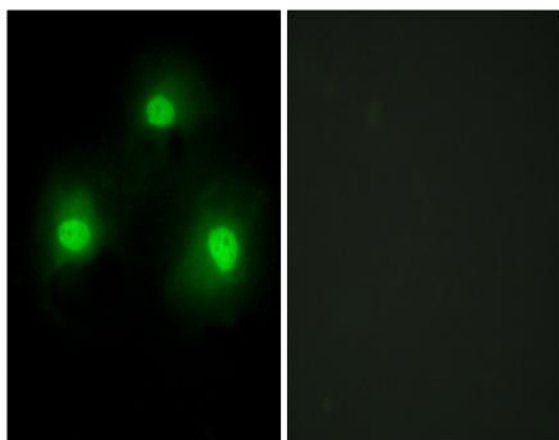


Pki α Polyclonal Antibody

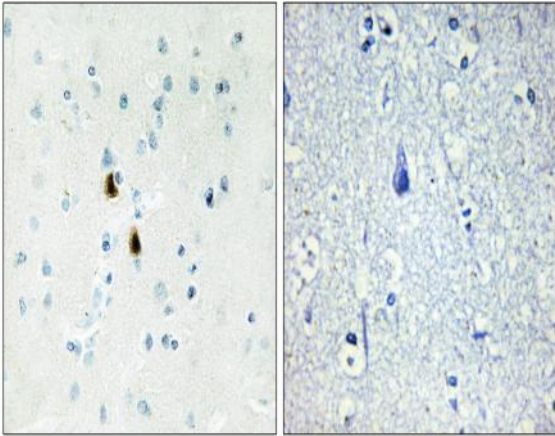
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|------------------------------|--|
| Catalog No : | YT3775 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | IHC;IF;ELISA |
| Target : | Pki α |
| Fields : | >>Alcoholism |
| Gene Name : | PKIA |
| Protein Name : | cAMP-dependent protein kinase inhibitor alpha |
| Human Gene Id : | 5569 |
| Human Swiss Prot No : | P61925 |
| Mouse Gene Id : | 18767 |
| Mouse Swiss Prot No : | P63248 |
| Rat Gene Id : | 114906 |
| Rat Swiss Prot No : | P63249 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human IPKA. AA range:10-59 |
| Specificity : | Pki α Polyclonal Antibody detects endogenous levels of Pki α protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications. |

| | |
|-------------------------------|--|
| 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) |
| Molecularweight : | 8kD |
| Background : | The protein encoded by this gene is a member of the cAMP-dependent protein kinase (PKA) inhibitor family. This protein was demonstrated to interact with and inhibit the activities of both C alpha and C beta catalytic subunits of the PKA. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008], |
| Function : | function:Extremely potent competitive inhibitor of cAMP-dependent protein kinase activity, this protein interacts with the catalytic subunit of the enzyme after the cAMP-induced dissociation of its regulatory chains.,miscellaneous:The inhibitory site contains regions very similar to the hinge regions (sites that directly interact with the enzyme active site) and "pseudosubstrate site" of the regulatory chains; but, unlike these chains, PKI does not contain cAMP-binding sites. The arginine residues within the inhibitory site are essential for inhibition and recognition of the enzyme active site.,similarity:Belongs to the PKI family., |
| Subcellular Location : | nucleus,cytoplasm, |
| Expression : | Skeletal muscle, |

Products Images



Immunofluorescence analysis of HeLa cells, using IPKA Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using IPKA Antibody. The picture on the right is blocked with the synthesized peptide.