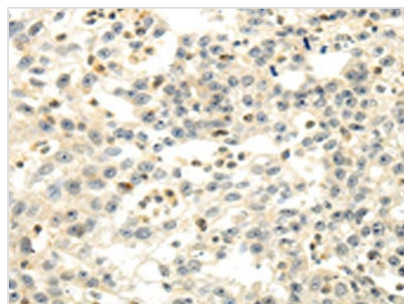




CDKN1A Antibody

| | |
|----------------------------|--|
| Product Code | CSB-PA259822 |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P38936 |
| Immunogen | Fusion protein of Human CDKN1A |
| Raised In | Rabbit |
| Species Reactivity | Human |
| Tested Applications | ELISA,IHC;ELISA:1:2000-1:5000,IHC:1:25-1:100 |
| Relevance | This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-CDK2 or -CDK4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen (PCNA), a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of CDK2, and may be instrumental in the execution of apoptosis following caspase activation. Multiple alternatively spliced variants have been found for this gene. |
| Form | Liquid |
| Conjugate | Non-conjugated |
| Storage Buffer | -20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol |
| Purification Method | Antigen affinity purification |
| Isotype | IgG |
| Alias | cyclin-dependent kinase inhibitor 1A (p21, Cip1) |
| Species | Homo sapiens (Human) |
| Target Names | CDKN1A |

Image



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using CSB-PA259822(CDKN1A Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: x200)