

Recombinant CDKN2A/p16INK4a Monoclonal Antibody

catalog number: AN301991L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

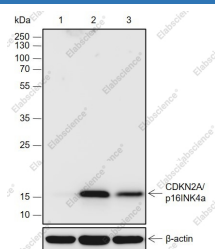
Reactivity	Human
Immunogen	Peptide. This information is proprietary to PTMab.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C321612
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:5000-1:10000
IHC	1:50-1:100

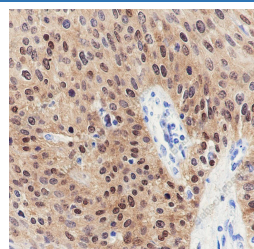
Data



Western Blot with CDKN2A/p16INK4a Monoclonal Antibody at dilution of 1:10000. Lane 1: MCF-7 (Negative control), Lane 2: HeLa, Lane 3: HEK-293

Observed-MW:16 kDa

Calculated-MW:17 kDa



Immunohistochemistry of paraffin-embedded Human cervical cancer using CDKN2A/p16INK4a Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Members of the INK4 family of cyclin dependent kinase inhibitors include p16 INK4A, p15 INK4B, p18 INK4C, and p19 INK4D. The INK4 family members inhibit cyclin dependent kinases 4 and 6 (CDK4 and CDK6), causing cell cycle arrest in G1 phase. The INK4A-ARF-INK4B locus on chromosome 9p21, frequently lost in human cancer, encodes the INK4 family members p16 INK5A and p15 INK4B, as well as the unrelated protein, ARF. p16 INK4A expression, typically repressed in the absence of stress, is thought to drive cells into senescence, and p16 INK4A expression is a commonly used marker of senescent cells. p16 INK4A protein expression is often altered in human cancer, and high expression is currently used as a predictive biomarker in cervical cancer.

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