

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07094 - Goat Anti-CDKN2A (isoform 1) / p16INK4a Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CDKN2A, p16INK4a, cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4), HGNC:1787, ARF, CDK4I, CDKN2, CMM2, INK4, INK4a, MLM, MTS1, TP16, p14, p14ARF, p16, p16INK4, p19, CDK4 inhibitor p16-INK4, cell cycle negative regulator beta, cyclin-

**Official Symbol:** CDKN2A

**Accession Number(s):** NP\_000068.1; NP\_001182061.1

**Human GeneID(s):** [1029](#)

**Important Comments:** This antibody is expected to recognise isoform p16INK4a (NP\_000068.1) and isoform p16gamma (NP\_001182061.1).

### Immunogen

Peptide with sequence C-HARIDAAEGPSDIPD, from the C Terminus of the protein sequence according to NP\_000068.1; NP\_001182061.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx. 16-18kDa band observed in lysates of the cell lines A431 and HeLa (calculated MW of 16.5kDa according to NP\_000068.1). Recommended concentration: 0.1-1µg/ml.

**IHC:** Paraffin embedded Human Liver. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB07094 (1µg/ml) staining of HeLa Lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.

EB07094 (5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.