[KO Validated] Anti-CDK2 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P100159

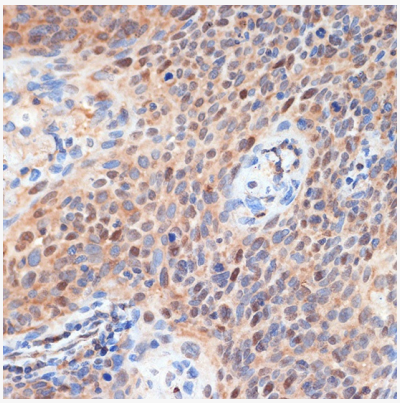
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200-298 of human CDK2 (NP_001789.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CDK2 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

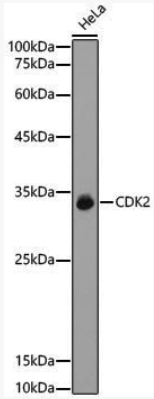
Protein Information

Synonyms	CDKN2; p33(CDK2).
Calculated MW	Calculated MW: 34 kDa; Observed MW: 34 kDa
Uniprot ID	P24941
Gene ID	1017
Background	This gene encodes a member of a family of serine/threonine protein kinases that participate in cell cycle regulation. The encoded protein is the catalytic subunit of the cyclin-dependent protein kinase complex, which regulates progression through the cell cycle. Activity of this protein is especially critical during the G1 to S phase transition. This protein associates with and regulated by other subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A), and p27Kip1 (CDKN1B). Alternative splicing results in multiple transcript variants.

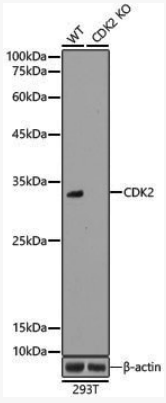
Validation Images



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using [KO Validated] CDK2 Rabbit pAb (P100159) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Western blot analysis of lysates from HeLa cells, using [KO Validated] CDK2 Rabbit pAb (P100159) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 10s.



Western blot analysis of lysates from wild type(WT) and CDK2 knockout (KO) 293T cells, using [KO Validated] CDK2 Rabbit pAb (P100159) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 10s.