Anti-p16 ARC Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013461

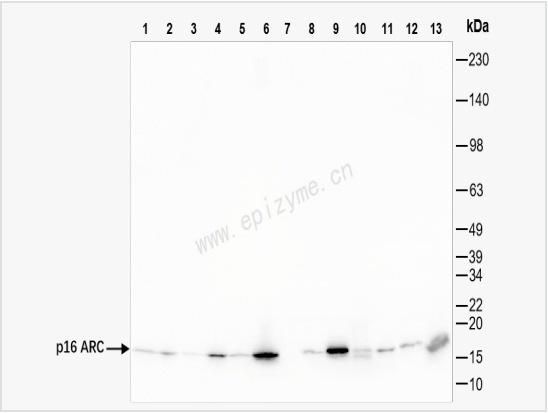
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	92K31M18
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human p16 ARC
Format	Affinity purified monoclonal 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-p16 ARC Rabbit mAb [92K31M18] is for research use only and not for use in diagnostic or therapeutic procedures.

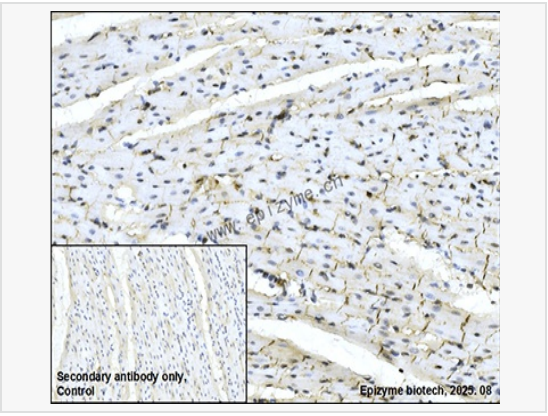
Protein Information

Synonyms	ARC16; ARPC5; Actin-related protein 2/3 complex subunit 5; Arp2/3 complex 16 kDa subunit; p16-ARC.
Calculated MW	Calculated MW: 16 kDa; Observed MW: 16 kDa
Uniprot ID	O15511
Gene ID	10092
Background	This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p16 subunit, has yet to be determined. Alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]
Cellular Location	Cytoplasm.Cytoskeleton.Cell projection.Nucleus.

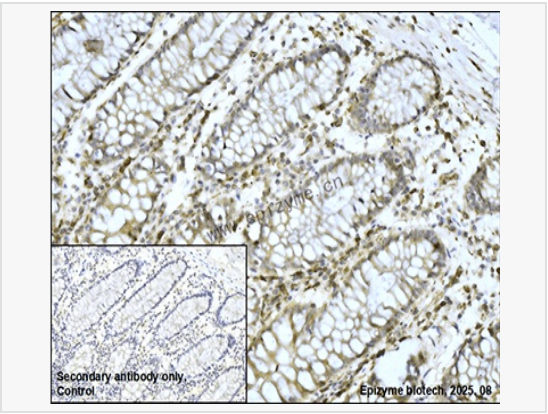
Validation Images



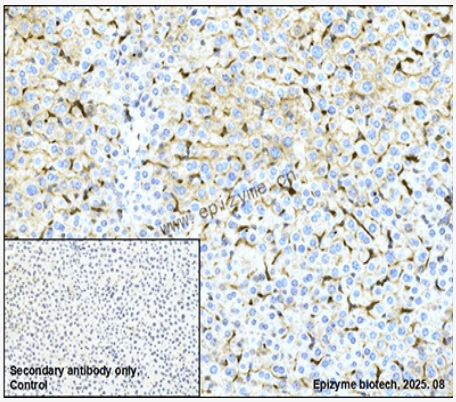
Western Blot - Anti-p16 ARC Rabbit mAb [92K31M18]
All lanes: R013461 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 5: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 6: Mouse embryo-like whole tissue lysates
Lane 7: Mouse muscle whole tissue lysates
Lane 8: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 9: Rat brain whole tissue lysates
Lane 10: Rat heart whole tissue lysates
Lane 11: Rat testicular whole tissue lysates
Lane 12: Rat skin whole tissue lysates
Lane 13: Rat adipose whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 16 kDa
Observed band size: 16 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-p16 ARC Rabbit mAb [92K31M18]
Sample: Paraformaldehyde-fixed, paraffin embedded rat heart tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013461 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-p16 ARC Rabbit mAb [92K31M18]
Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013461 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-p16 ARC Rabbit mAb [92K31M18]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse liver tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013461 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.