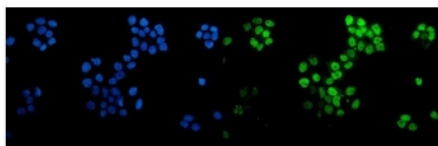


p63 Antibody (R31167)

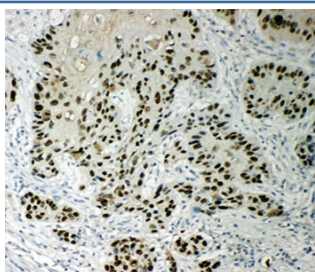
Catalog No.	Formulation	Size
R31167	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

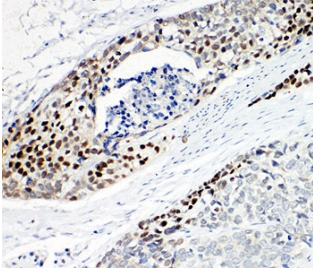
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9H3D4
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Immunocytochemistry : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This p63 antibody is available for research use only.



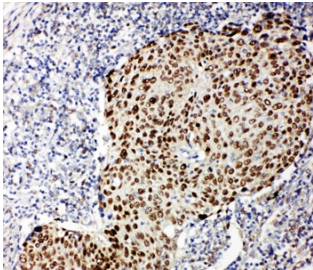
Immunofluorescent staining of FFPE human A431 cells with p63 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



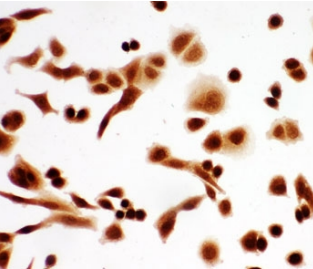
IHC-P: p63 antibody testing of human esophageal squamous cell carcinoma tissue



IHC-P: p63 antibody testing of human esophageal squamous cell carcinoma tissue



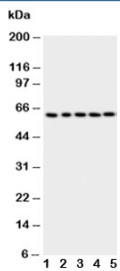
IHC-P: p63 antibody testing of human lung cancer tissue



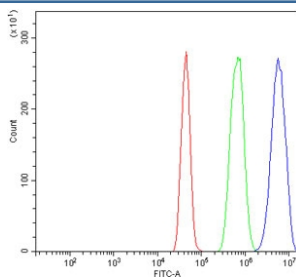
ICC testing of human A549 cells with p63 antibody.



Western blot testing of 1) rat heart and 2) mouse thymus lysate (50ug/lane) with p63 antibody. Expected molecular weight: 63-77 kDa.



Western blot testing of human 1) HeLa, 2) SMMC-7721, 3) COLO-320, 4) A549 and 5) SGC-7901 cell lysate with p63 antibody. Expected molecular weight: 63-77 kDa.



Flow cytometry testing of human A431 cells with p63 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= p63 antibody.

Description

Tumor Protein p63, also known as KET, is a protein that in humans is encoded by the TP63 gene. Yang et al.(1998) described the cloning of tumor protein, which shows strong homology to the tumor suppressor p53 and the p53-related protein p73. By fluorescence in situ hybridization, Yang et al.(1998) localized the human gene to chromosome 3q27-q29. Hibi et al.(2000) stated that p53 homologs known variously as p40, p51, p63, and p73L (Trink et al., 1998, Yang et al., 1998, Osada et al., 1998, Senoo et al., 1998) are isoforms of the same gene, which were then referred to as AIS for 'amplified in squamous cell carcinoma.'

Application Notes

The stated application concentrations are suggested starting points. Titration of the p63 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 82-98 (DMDARRNKQQRIKEEGE) were used as the immunogen for this p63 antibody.

Storage

After reconstitution, the p63 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.