

Rabbit Anti-p40 Polyclonal: RC3114

Intended Use: For Research Use Only

Description: p63 consists of two major isoforms-TAp63 and ΔNp63. These isoforms differ in the structure of the Nterminal domains. The TAp63 isoform (identified by anti-p63 antibody) contains a transactivation-competent ‘TA’ domain with homology to p53, which regulates the expression of the growth-inhibitory genes. In contrast, ΔNp63 isoform (identified by anti-p40 antibody) contains an alternative transcriptionally-inactive ‘ΔN’ domain, which antagonizes the activity of TAp63 and p53. The p40 (clone ZR8) antibody recognizes exclusively ΔNp63 but not TAp63. p40 is a squamous cell carcinoma ‘specific’ antibody. It reacts with the vast majority of cases of squamous cell carcinomas of various origins, but not with adenocarcinomas. It is particularly useful in differentiating lung squamous cell carcinoma from lung poorly differentiated denocarcinoma. p40 antibody can also be used as an alternative basal cell/myoepithelial cell marker, which has similar sensitivity and specificity as that of p63 antibody. Therefore, p40 antibody may also be used as an alternative immunohistochemical marker for determining prostate adenocarcinoma vs. benign prostate glands and for determining breast intraductal carcinoma vs. invasive breast ductal carcinoma.

Specifications

Clone: Polyclonal
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Localization: Nucleus
 Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN3)
 Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
 Applications: IHC, ICC/IF, WB
 Package:

Description	Catalog No.	Size
p40 Concentrated	RC3114	1 ml

IHC Procedure*

Positive Control Tissue: Lung SCC
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.