

p40 (Clone ZR8) Rabbit Monoclonal Antibodies

Specificity: Human. Others-not known

Immunogen: Synthesized polypeptides from N-terminal domain of p63

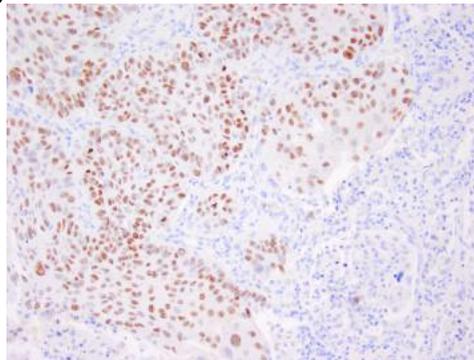
Ig Class: Rabbit IgG

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* lung squamous cell carcinoma. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

Description: p63 consists of two major isoforms-TAp63 and Δ Np63. These isoforms differ in the structure of the N-terminal 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, Δ Np63 isoform (identified by anti-p40 antibody) contains an alternative transcriptionally-inactive ' Δ N' domain, which antagonizes the activity of TAp63 and p53. The p40 (clone ZR8) antibody recognizes exclusively Δ Np63 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 adenocarcinoma. 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.

Supplied As: Purified antibody in 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma stained with anti-p40 antibody using peroxidase-conjugate and DAB chromogen. Note the nuclear staining of tumor cells.

Cat. #Z2004 (1.0 ml)