Recombinant p40 (deltaNp63) (Squamous, Basal & Myoepithelial Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone ZR8]

Catalog No	Format	Size
8626-RBM12-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
8626-RBM12-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
8626-RBM12-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

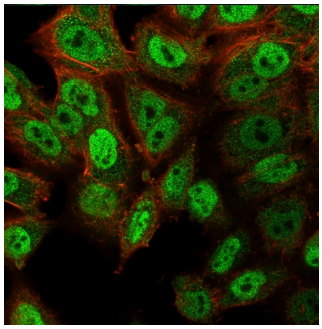
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

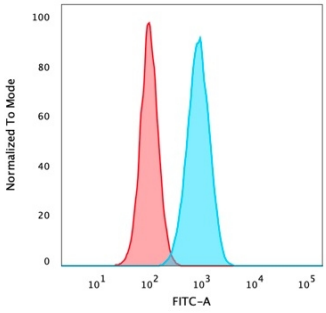
Clone	ZR8
Gene Name	TP63
Immunogen	Synthetic peptide (ENNAQTQFSEPQY) corresponding to aa5-17 of human p63 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	40kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa cells. Human prostate or lung tissue (IHC).

**Optimal dilution for a specific application should be determined.*

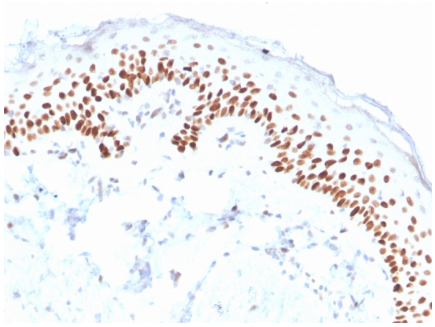
Product Images for Recombinant p40 (deltaNp63) (Squamous, Basal & Myoepithelial Cell Marker) Antibody



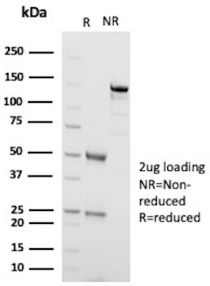
Immunofluorescence Analysis of PFA-fixed HeLa cells labeling p40 Recombinant Rabbit Monoclonal Antibody (ZR8) followed by goat anti-rabbit IgG-CF488 (green); phalloidin counterstain (red).



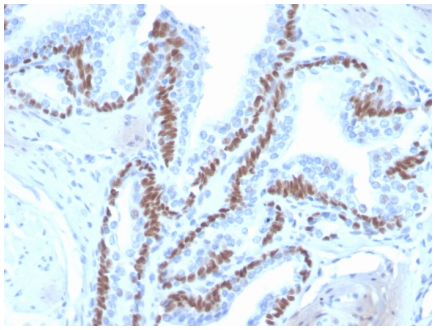
Flow Cytometric Analysis of PFA-fixed HeLa cells using p40 Recombinant Rabbit Monoclonal Antibody (ZR8) followed by goat anti-rabbit IgG-CF488 (blue); isotype control (red).



Formalin-fixed, paraffin-embedded human skin stained with p40 Recombinant Rabbit Monoclonal Antibody (ZR8).



SDS-PAGE Analysis of Purified Tumor protein 63 Recombinant Rabbit Monoclonal Antibody (ZR8). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human skin stained with p40 Recombinant Rabbit Monoclonal Antibody (ZR8).

Specificity & Comments

p63 consists of two major isoforms-TAp63 and delta-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, DNp63 isoform (identified by anti-p40 antibody) contains an alternative transcriptionally-inactive delta-N domain, which antagonizes the activity of TAp63 and p53. The p40 (clone ZR8) antibody recognizes exclusively delta-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

200ug/ml of Ab purified by Protein A Column. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Basal Cell Marker, Nuclear Marker, Stem Cell Differentiation, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.