

# Product Datasheet

## p63/TP73L Antibody (ZR8)

### NBP3-07454-100ug

Unit Size: 100 ug

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP3-07454](http://www.novusbio.com/NBP3-07454)

Updated 7/16/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP3-07454](http://www.novusbio.com/reviews/destination/NBP3-07454)



**NBP3-07454-100ug**

p63/TP73L Antibody (ZR8)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	ZR8
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	40 kDa

Product Description	
Description	<p>200ug/ml of antibody purified by Protein A Column. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP3-08776)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>
Host	Rabbit
Gene ID	8626
Gene Symbol	TP63
Species	Human
Marker	Squamous, Basal & Myoepithelial Cell Marker
Specificity/Sensitivity	<p>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.</p>
Immunogen	A synthetic peptide (ENNAQTQFSEPQY) corresponding to aa5-17 of human p63/TP73L protein (Uniprot: Q9H3D4 )

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin

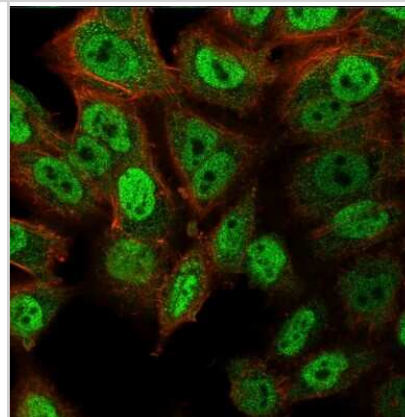


<b>Recommended Dilutions</b>	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
<b>Application Notes</b>	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

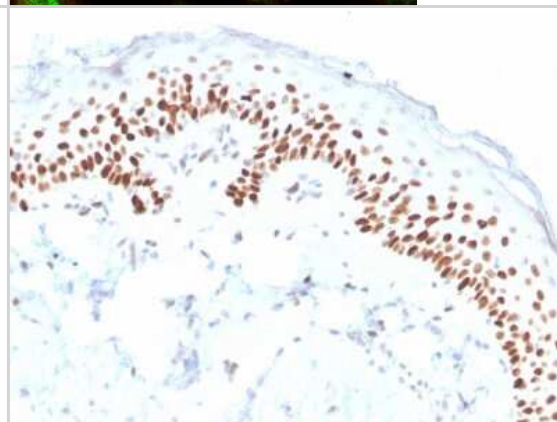


## Images

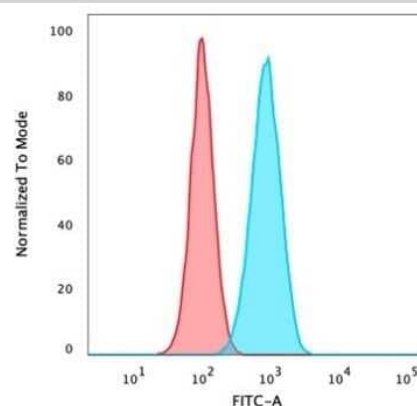
Immunocytochemistry/Immunofluorescence: p63/TP73L Antibody (ZR8) [NBP3-07454] - Immunofluorescence Analysis of PFA-fixed HeLa cells labeling p63/TP73L Recombinant Rabbit Monoclonal Antibody (ZR8) followed by goat anti-rabbit IgG-CF488 (green); phalloidin counterstain (red).



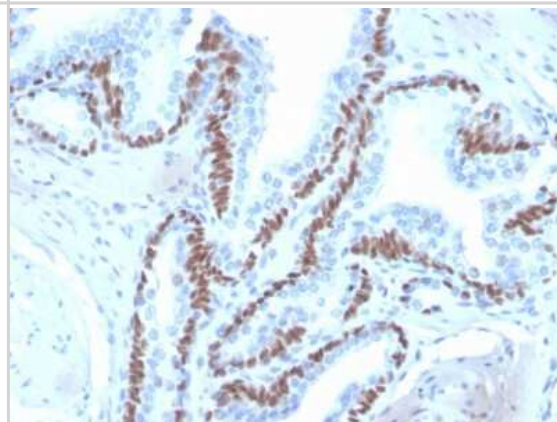
Immunohistochemistry-Paraffin: p63/TP73L Antibody (ZR8) [NBP3-07454] - Formalin-fixed, paraffin-embedded human skin stained with p63/TP73L Recombinant Rabbit Monoclonal Antibody (ZR8).



Flow Cytometry: p63/TP73L Antibody (ZR8) [NBP3-07454] - Flow Cytometric Analysis of PFA-fixed HeLa cells using p63/TP73L Recombinant Rabbit Monoclonal Antibody (ZR8) followed by goat anti-rabbit IgG-CF488 (blue); isotype control (red).



Immunohistochemistry-Paraffin: p63/TP73L Antibody (ZR8) [NBP3-07454] - Formalin-fixed, paraffin-embedded human skin stained with p63/TP73L Recombinant Rabbit Monoclonal Antibody (ZR8).





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP3-07454-100ug**

---

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
H00008626-P01-10ug	Recombinant Human p63/TP73L GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP3-07454](http://www.novusbio.com/reviews/submit/NBP3-07454)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

