

Product Datasheet

p63/TP73L Antibody (rTP40/3690) **NBP3-07430-100ug**

Unit Size: 100 ug

Store at 4C.

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NBP3-07430-100ug

p63/TP73L Antibody (rTP40/3690)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	rTP40/3690
Preservative	0.05% Sodium Azide
Isotype	IgG1 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 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. (NBP3-08660)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>
Host	Mouse
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. P40/3980R 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 from the N-terminal of human p63/TP73Lprotein (Exact sequence is proprietary) (Uniprot: Q9H3D4)

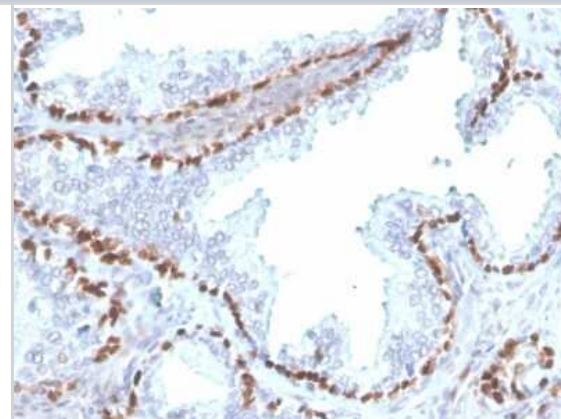
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin



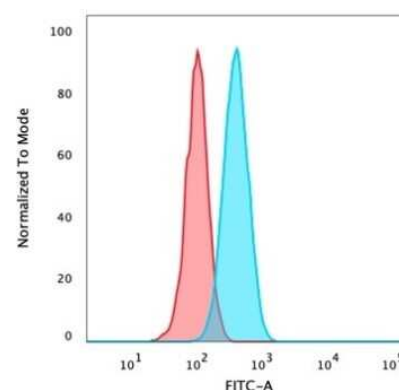
Recommended Dilutions	Flow Cytometry 2-4 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 2-4 ug/ml, Immunohistochemistry-Paraffin 2-4 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires 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

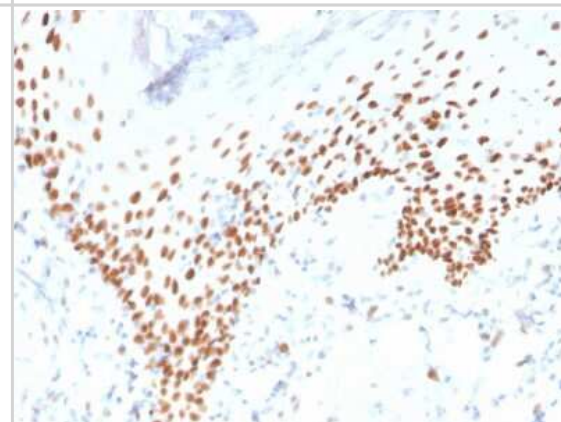
Immunohistochemistry-Paraffin: p63/TP73L Antibody (rTP40/3690) [NBP3-07430] - Formalin-fixed, paraffin-embedded human kidney stained with p63/TP73L Recombinant Mouse Monoclonal Antibody (rTP40/3690).



Flow Cytometry: p63/TP73L Antibody (rTP40/3690) [NBP3-07430] - Flow Cytometric Analysis of PFA-fixed HeLa cells using p63/TP73L Recombinant Mouse Monoclonal Antibody (rTP40/3690) followed by goat anti- Mouse IgG-CF488 (blue); isotype control (red).



Immunohistochemistry-Paraffin: p63/TP73L Antibody (rTP40/3690) [NBP3-07430] - Formalin-fixed, paraffin-embedded human skin stained with p63/TP73L Recombinant Mouse Monoclonal Antibody (rTP40/3690).



Publications

Gan Y, Hu Q, Li A et al. Estradiol inhibits autophagy of Mycobacterium tuberculosis-infected 16HBE cells and controls the proliferation of intracellular Mycobacterium tuberculosis Molecular medicine reports [PMID: 35425995] (IHC-P, Human)



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Products Related to NBP3-07430-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00008626-P01-10ug	Recombinant Human p63/TP73L GST (N-Term) Protein

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.

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