

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects p63/TP73L in Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human p63/TP73L Met40-Cys339 Accession # Q9H3D4
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

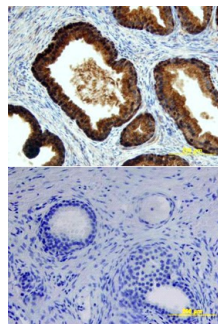
## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Human p63/TP73L
<b>Immunocytochemistry</b>	5-15 µg/mL	See Below
<b>Immunohistochemistry</b>	5-15 µg/mL	See Below

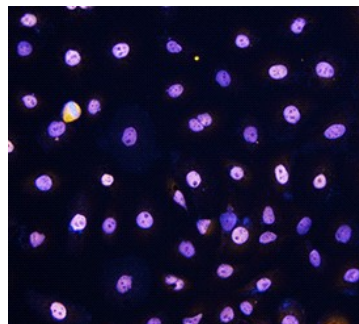
## DATA

### Immunohistochemistry



**p63/TP73L in Human Prostate.** p63/TP73L was detected in immersion fixed paraffin-embedded sections of human prostate array using Goat Anti-Human p63/TP73L Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF1916) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling if primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

### Immunocytochemistry



**p63/TP73L in SCC-25 Human Cell Line.** p63/TP73L was detected in immersion fixed SCC-25 human tongue carcinoma cell line using Goat Anti-Human p63/TP73L Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF1916) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Streptavidin (yellow; Catalog # NL999) and counterstained with DAPI (blue). Specific staining was localized to nuclei. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Tumor Protein 63 (p63), also named TP73L, TP63, p51, p40 or KET, is a p53 homolog. It is one of several proteins that are produced from a single gene using two promoters and alternative splicing of the primary RNA transcript. p63 is highly expressed in embryonic ectoderm and in the nuclei of basal regenerative cells of many epithelial tissues in the adult. p63 is suggested to play a role in development, epithelial cell maintenance and tumorigenesis (1-3).

### References:

- Harms, K. *et al.* (2004), Cell Mol. Life Sci. **61**(7):822.
- Koster, M.I. and D.R. Roop, J. Dermatol. Sci. **34**(1):3.
- Benard, J. *et al.* (2003) Hum. Mutat. **21**(3):182.