

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human p63/TP73L in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human p63/TP73L Met40-Cys339 Accession # Q9H3D4
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

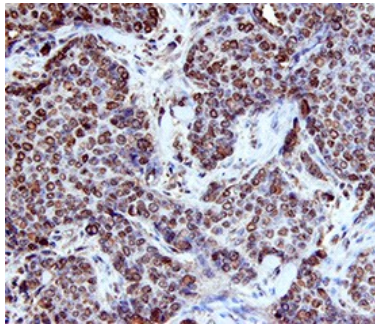
APPLICATIONS

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.

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

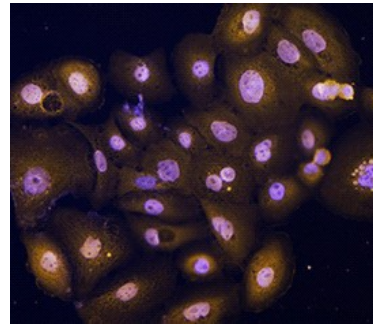
DATA

Immunohistochemistry



p63/TP73L in Human Breast. p63/TP73L was detected in immersion fixed paraffin-embedded sections of human breast using Goat Anti-Human p63/TP73L Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1916) 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). Specific staining was localized to nuclei. 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 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1916) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (yellow; Catalog # NL001) 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

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

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:

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