

Basic Information

Product Name	Anti-p63/TP63 Antibody (Clone#OTI4E7)
Gene Name	TP63
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Full length human recombinant protein of human TP63 (NP_003713) produced in SF9 cell.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	76.6 kDa
Dilution Ratios	Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:150

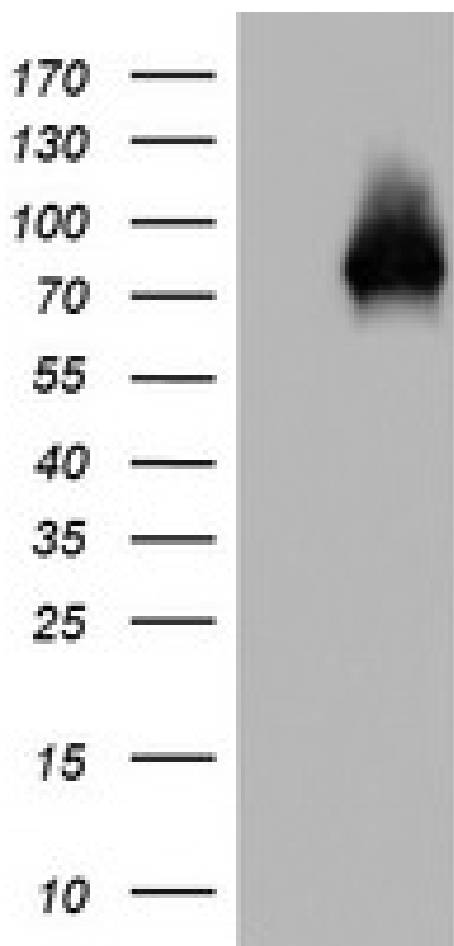
Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

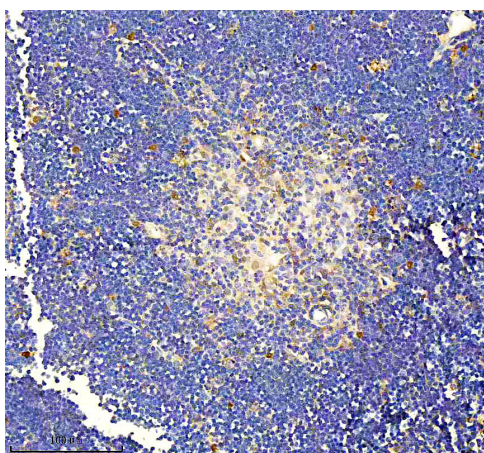
Background Information

Tumor protein p63 (TP63), also known as the p63 or TP73L is a protein that in humans is encoded by the TP63 gene. It is mapped to 3q28. TP63 is a member of the p53 family of transcription factors. This gene encodes for two main isoforms by alternative promoters (TAp63 and Δ Np63). TP63 has been mostly restricted to its apoptotic function and more recently as the guardian of oocyte integrity. It has been found that the combined loss of TP63 and p73 results in the failure of cells containing functional p53 to undergo apoptosis in response to DNA damage. TP63 is an essential regulator of stem cell maintenance in stratified epithelial tissues. Tp63 is also critical for maintaining the progenitor-cell populations that are necessary to sustain epithelial development and morphogenesis.

Selected Validation Data



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TP63 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TP63(Cat# M00167-3).



IHC analysis of TP63 using anti-TP63 antibody (M00167-3) . TP63 was detected in a paraffin-embedded section of mouse thymus tissue. The tissue section was incubated with mouse anti-TP63 Antibody (M00167-3) at a dilution of 1:200 and developed using HRP Conjugated Mouse IgG Super Vision Assay Kit (Catalog # SV0001) with DAB (Catalog # AR1027) as the chromogen.