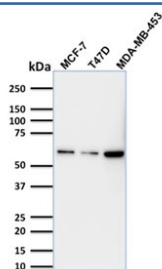


p63 Antibody for WB / TP63 Western Blot Antibody [clone TP63/1786] (V3368)

Catalog No.	Formulation	Size
V3368-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3368-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3368SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	TP63/1786
Purity	Protein G affinity chromatography
UniProt	Q9H3D4
Localization	Nuclear
Applications	ELISA : order BSA/sodium azide-free format for coating Western Blot : 1-2ug/ml
Limitations	This p63 antibody is available for research use only.

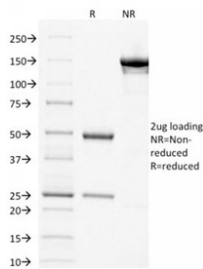


p63 Antibody for WB. Western blot analysis of human MCF-7, T-47D, and MDA-MB-453 cell lysates using mouse monoclonal clone TP63/1786 demonstrates detection of Tumor protein 63 (TP63) as a band at the predicted molecular weight of approximately 63-77 kDa. Signal intensity varies across the cell lines, with stronger expression observed in MDA-MB-453 cells and comparatively lower levels in MCF-7 and T-47D, consistent with differences in TP63 expression associated with epithelial subtype characteristics. The clean banding pattern with minimal background supports the specificity of clone TP63/1786, aligning with its microarray-validated target recognition and suitability for western blot detection of TP63 isoforms.

Human Protein Microarray Specificity Validation



p63 Antibody for WB protein microarray specificity validation using a HuProt(TM) array containing more than 19,000 full-length human proteins demonstrates highly selective binding of mouse monoclonal clone TP63/1786 to Tumor protein 63 (TP63). The antibody shows a dominant top-ranked signal for TP63 with a markedly elevated Z-score compared to all other proteins on the array, indicating strong and specific target recognition. Minimal signal is observed for non-target proteins, supporting low off-target binding and high analytical specificity. Z-score reflects signal intensity relative to the array mean, while S-score represents the separation between the top-ranked target and subsequent proteins, confirming clear discrimination of TP63 from other candidates. These results support the suitability of clone TP63/1786 for western blot applications requiring high specificity and clean band interpretation.



SDS-PAGE analysis of purified, BSA-free p63 antibody (clone TP63/1786) as confirmation of integrity and purity.

Description

Tumor protein 63 (TP63) is a nuclear transcription factor of the p53 family that regulates epithelial development, basal cell identity, and lineage commitment. In this context, p63 Antibody for WB is specifically positioned for western blot analysis where accurate band detection, isoform resolution, and clean signal interpretation are critical for studying TP63 protein expression.

p63 antibody, also known as TP63 antibody or Tumor protein 63 antibody in the literature, is widely used as a marker of basal epithelial cells and stratified tissue compartments. In western blot applications, TP63 presents a well-known analytical challenge due to the presence of multiple isoforms, including TAp63 and deltaNp63 variants, which arise from alternative promoter usage and splicing. These isoforms can produce distinct banding patterns in lysates, making a TP63 Western Blot Antibody particularly valuable when it delivers consistent, interpretable signal across these variants.

The western blot differentiator is especially strong for TP63 because meaningful interpretation depends on resolving isoform-associated bands rather than simply detecting a single protein species. p63 Antibody for WB enables detection of nuclear TP63 protein in denatured samples, supporting comparative analysis across cell types, epithelial versus non-epithelial samples, and experimental conditions that influence differentiation or transformation. This makes it a key tool for evaluating TP63-driven changes in cell state and lineage identity.

Clone TP63/1786 is a mouse monoclonal antibody designed to provide high specificity and reproducibility in western blot assays. A major differentiating feature of this clone is its protein microarray specificity validation, where binding is assessed across thousands of human proteins to confirm selective target recognition. This level of validation is particularly important for western blot applications, where non-specific bands can complicate interpretation. By reducing off-target signal, this clone supports clearer band assignment and greater confidence in TP63 detection.

In addition, clone TP63/1786 has been described in peer-reviewed literature, supporting its relevance for research use while maintaining a focus on general performance characteristics rather than specific experimental claims. When used in western blot workflows, appropriate sample preparation, including efficient lysis and transfer, is important for optimal detection of this nuclear protein. TP63 signal is typically observed in whole-cell or nuclear-enriched lysates, where isoform-dependent band patterns can be evaluated.

Tumor protein 63 antibody clone TP63/1786 is optimized for western blot applications that require isoform-aware detection, clean banding profiles, and high specificity. Its combination of monoclonal consistency and microarray-supported selectivity makes it particularly well suited for studies of epithelial biology, transcriptional regulation, and TP63-associated cellular processes.

Application Notes

The optimal dilution of the p63 Antibody for WB / TP63 Western Blot Antibody for each application should be determined by the researcher.

Immunogen

A portion of amino acids 3-106 were used as the immunogen for this p63 Antibody for WB / TP63 Western Blot Antibody.

Storage

Store the p63 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

TP63 western blot antibody, Tumor protein 63 WB antibody, p63 isoform detection antibody, TP63 microarray validated antibody