9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-3424: Anti-p63 (Squamous, Basal & Myoepithelial Cell Marker) Monoclonal Antibody(Clone: TP63/1786)

Clonality :	Monoclonal
Clone Name :	TP63/1786
Application :	ELISA,WB
Reactivity :	Human
Gene :	TP63
Gene ID :	8626
Uniprot ID :	Q9H3D4
Alternative Name :	Amplified in squamous cell carcinoma (AIS); Chronic ulcerative stomatitis protein (CUSP); EEC3; Keratinocyte transcription factor KET; LMS; NBP; p40; P51/P63; p53 like transcription factor; p53-related protein p63; RHS; SHFM4; TAp63alpha; TP53CP; TP53L; TP63; TP73; TP73L; Transformation-related protein 63; Trp53rp1; Trp6;3; Tumor protein 63; Tumor protein p53-like; tumor protein p73-like
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant fragment (around aa 3-106) of human p63 protein (exact sequence is proprietary)

Description

p63 is a homolog of the tumor suppressor p53. It is identified in basal cells in the epithelial layers of a variety of tissues, including epidermis, cervix, urothelium, breast and prostate. p63 was detected in nuclei of the basal epithelium in normal prostate glands; however, it was not expressed in malignant tumors of the prostate. As a result, p63 has been reported as a useful marker for differentiating benign from malignant lesions in the prostate, particularly when used in combination with markers of high molecular weight cytokeratins and the prostate-specific marker AMACR (P504S). p63 has also been shown to be a sensitive marker for lung squamous cell carcinomas (SqCC), with a sensitivity of ~90%. Specificity for lung SqCC, vs. lung adenocarcinoma (LADC), is approximately 80%. In breast tissue, p63 has been identified in myoepithelial cells of normal ducts.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order Ab without BSA);Western Blot (1-2ug/ml);

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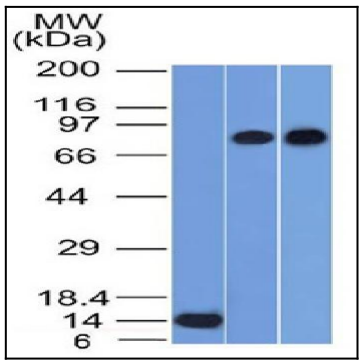


Fig. 1: Western Blot of Recombinant, PC3 and HeLa cell lysates using p63 Mouse Monoclonal Antibody (TP63/1786).

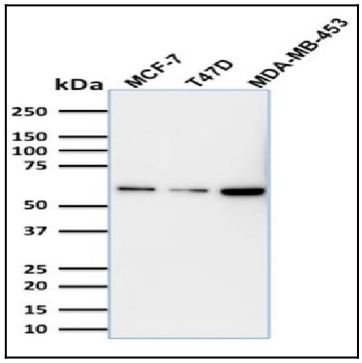


Fig. 2: Western Blot Analysis MCF-7; T47D and MDA-MB453 cell lysate using p63 Mouse Monoclonal Antibody (TP63/1786).

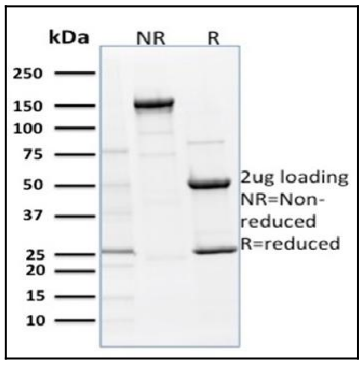


Fig. 3: SDS-PAGE Analysis Purified p63 Mouse Monoclonal Antibody (TP63/1786). Confirmation of Purity and Integrity of Antibody.

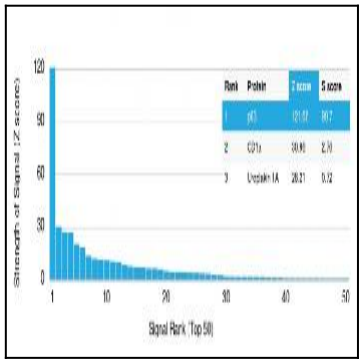


Fig. 4: Analysis of Protein Array containing >19,000 full-length human proteins using p63 Mouse Monoclonal Antibody (TP63/1786) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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