

Product datasheet for TA337049

OriGene Technologies, Inc.

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p73 (TP73) Mouse Monoclonal Antibody [Clone ID: 5B429]

Product data:

Product Type: Primary Antibodies

Clone Name: 5B429

Applications: ChIP, CyTOF-ready, FC, ICC/IF, IHC, IP, Simple Western, WB

Recommended Dilution: Immunohistochemistry, Immunocytochemistry/ Immunofluorescence: 1:10-1:500,

Immunoprecipitation: 1:10-1:500, Simple Western: 1:25, Western Blot: 2 ug/ml,

Immunohistochemistry-Paraffin: 5-15 ug/ml, Immunohistochemistry-Frozen: 5-15 ug/ml, Flow Cytometry: 1 ug/mL, Chromatin Immunoprecipitation (ChIP): 1:20-1:1000, Flow (Intracellular),

CyTOF-ready

Reactivity: Human, Mouse

Host: Mouse

Isotype: IgG1, kappa
Clonality: Monoclonal

Immunogen: This antibody was raised against full-length human p73. It reacts with an epitope that is

located on the N-terminal region of human p73. It does not cross react with p53.

Formulation: PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -

20C long term. Avoid freeze-thaw cycles.

Concentration: lot specific

Purification: Protein G purified

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Gene Name: tumor protein p73

Database Link: NP 005418

Entrez Gene 7161 Human

O15350

Synonyms: P73

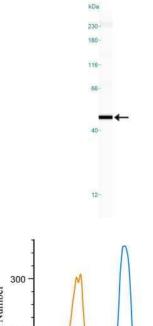
Protein Families: Druggable Genome, Transcription Factors



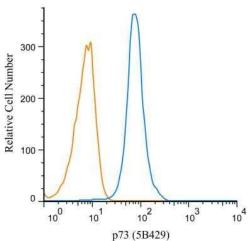


Protein Pathways: Neurotrophin signaling pathway, p53 signaling pathway

Product images:

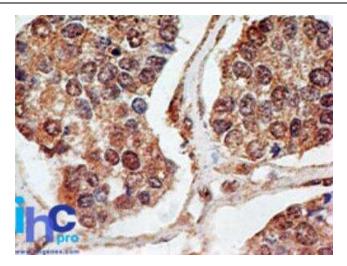


Simple Western: p73 Antibody (5B429) TA337049 - Lane view shows a specific band for p73 in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230kDa separation system. * Non-specific interaction with the 230 kDa Simple Western standard may be seen with this antibody.

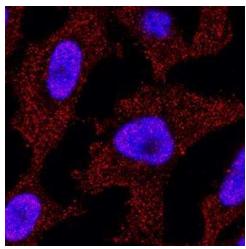


Flow (Intracellular): p73 Antibody (5B429) TA337049 - An intracellular stain was performed on HeLa cells with pan p73 (5B429) antibody TA337049 (blue) and a matched isotype control NBP2-27287 (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes, followed by mouse F(ab)2 lgG (H+L) APC-conjugated secondary antibody (F0101B, R&D Systems).

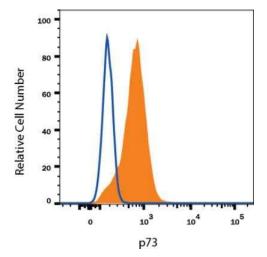




Immunohistochemistry-Paraffin: p73 Antibody (5B429) TA337049 - FFPE breast cancer probed with p73 antibody at 5 ug/ml. Human tissue was used for this test. Staining of tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.

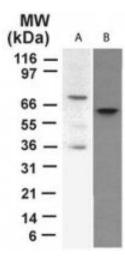


Immunocytochemistry/Immunofluorescence: p73 Antibody (5B429) TA337049 - p73 was detected in immersion fixed Hela human cell line using p73 [5B429] Monoclonal Antibody (Catalog # TA337049) at 3 ug/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Staining was observed in the cytoplasm and in the nuclei.



Flow Cytometry: p73 Antibody (5B429) TA337049 - Detection of p73 in Human HeLa Cell Line. Human HeLa cell line was stained with Mouse Anti- p73 Monoclonal Antibody (Catalog # TA337049, filled histogram), or Mouse IgG1 isotype control (Catalog # MAB002, open histogram) followed by APC-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). Images may not be copied, printed or otherwise disseminated without express written permission of Novus Biologicals a bio-techne brand.





Western Blot: p73 Antibody (5B429) TA337049 - Analysis of p73 in A) transfected cell lysate and B) HeLa cell lysate at 2 ug/ml.