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Datasheet for 200-301-I00

p73 Antibody

Overview

Description:	Anti-p73 (MOUSE) Monoclonal Antibody - 200-301-I00
Item No.:	200-301-I00
Size:	100 µg
Applications:	ChIP, FC, IF, IHC, IP, WB
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	Anti-p73 detects human p73. NF-kB is silenced in the cytoplasm by an inhibitory protein, IkB. Synthesis of IkBa is autoregulated. IkB proteins are phosphorylated by IkB kinase complex consisting of at least three proteins, IKK1/a, IKK2/b, and IKK3/g. External stimuli such as tumor necrosis factor or other cytokines initiates a signal transduction cascade that leads to the activation of IkB-kinase complex that specifically phosphorylates IkBa on Serine-32 and Serine-36. Phosphorylation of these sites leads to ubiquitination of IkBa and subsequent degradation by the 26 S proteasome. Degradation of IkBa results in unmasking of the nuclear localization signal of NF-kB dimers, which subsequently translocates to the nucleus and activates target genes. Six members of IkB family members have been identified. One of the first gene induced following NF-kB activation is IkBa. Anti-p73 antibody is ideal for investigators involved in NFkappaB, kinase and Apoptosis research.
Synonyms:	P73, Tumor protein p73, p53-like transcription factor, p53-related protein
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	5B429
Format:	IgG1

Target Details

Gene Name:	TP73
Reactivity:	Human

Immunogen Type:	Conjugated Peptide
Immunogen:	p73 Antibody was produced in mice prepared by repeated immunizations with full-length human p73 protein.
Purity/Specificity:	Anti-p73 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Anti-p73 from Human and Mouse based on 100% homology with the immunizing sequence. It does not cross react with p53. Cross-reactivity with Anti-p73 from other sources has not been determined.
Relevant Links:	• UniProtKB - O15350 • NCBI - NP_001119712.1 • GeneID - 7161

Application Details

Tested Applications:	ChIP, FC, IF, IHC, IP, WB
Application Note:	Anti-p73 Antibody is tested for use in WB, ChIP, Flow, Flow-IC, ICC/IF, IHC, IHC-Fr, IHC-P, and IP. Expect a band approximately 70kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	5-15 µg/mL
WB:	2 µg/mL

Formulation

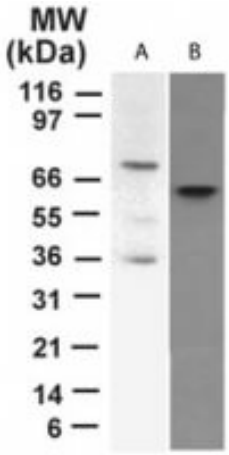
Physical State:	Liquid
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Mouse Anti-p73 antibody. Lane A: p-73 in transfected cell lysate. Lane B: p-73 in HeLa cell lysate. Primary antibody: p-73 antibody at 2 µg/mL for overnight at 4°C. Secondary antibody: IRDye800™ mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa for p73. Other band(s): none.

Disclaimer

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