

Anti-TP73 Antibody (Center)

Catalog Number: A00688-1

About TP73

TP73 is tumor protein p73, which is a member of the p53 family of transcription factors involved in cellular responses to stress and development. The family members include p53, p63, and p73 and have high sequence similarity to one another, which allows p63 and p73 to transactivate p53-responsive genes causing cell cycle arrest and apoptosis. The family members can interact with each other in many ways involving direct or indirect protein interactions, resulting in regulation of the same target gene promoters or regulation of each other's promoters. The p73 protein is expressed at very low levels in normal tissues and is differentially expressed in a number of tumors.

Overview

Product Name	Anti-TP73 Antibody (Center)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-TP73 Antibody (Center) (Catalog # A00688-1). Tested in WB, IF, Flow Cytometry, IHC-P application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O15350

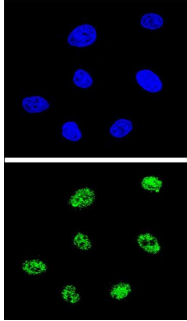
Technical Details

Immunogen	This TP73 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 288-317 amino acids from the Central region of human TP73.
Predicted Reactive Species	Bovine, Pig
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.

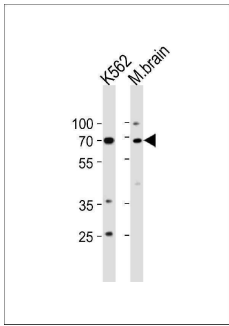
Suggested Dilutions

IF: 1:10-1:50
WB: 1:1000
IHC-P: 1:50-1:100
FC: 1:10-1:50

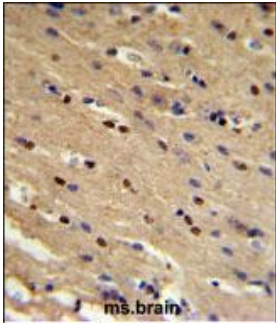
Anti-TP73 Antibody (Center) (A00688-1) Images



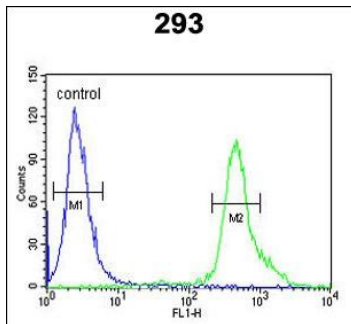
Confocal immunofluorescent analysis of TP73 Antibody (Center) with 293 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



TP73 Antibody (Center) western blot analysis in K562 cell line and mouse brain tissue lysates (35ug/lane). This demonstrates the TP73 antibody detected the TP73 protein (arrow).



TP73 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded mouse brain followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TP73 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



TP73 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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Anti-TP73 Antibody (Center)

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