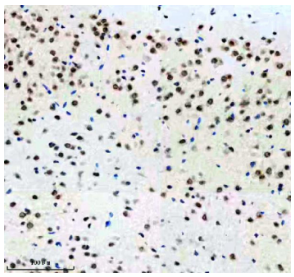
p73 Antibody / Tumor protein p73 [clone EHI-20] (RQ4726)

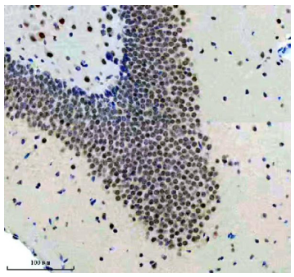
Catalog No.	Formulation	Size
RQ4726	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

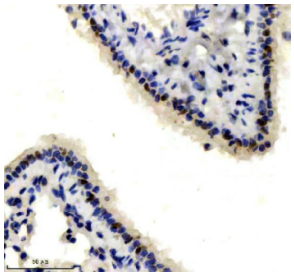
Availability	1-2 weeks
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	EHI-20
Purity	Affinity purified
UniProt	O15350
Localization	Nuclear, cytoplasmic
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:50-1:200
Limitations	This p73 antibody is available for research use only.



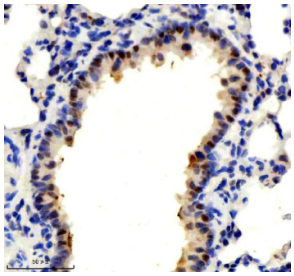
IHC staining of FFPE mouse brain tissue with p73 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



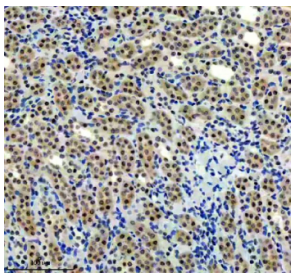
IHC staining of FFPE mouse brain tissue with p73 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



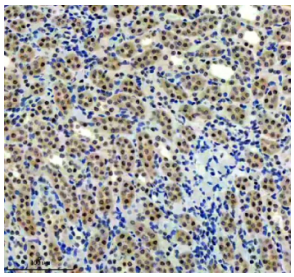
IHC staining of FFPE mouse lung tissue with p73 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



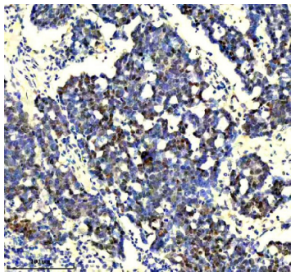
IHC staining of FFPE rat lung tissue with p73 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



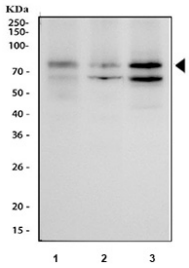
IHC staining of FFPE mouse kidney tissue with p73 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat kidney tissue with p73 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human skin cancer tissue with p73 antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) ThP-1, 2) U-2 OS and 3) Caco-2 cell lysate with p73 antibody. Expected molecular weight: 70-73 kDa.

Description

p73 is a member of the p53 family of transcription factors and plays a vital role in regulating cell cycle arrest, apoptosis, DNA repair, and neuronal development. Although structurally and functionally related to p53, p73 has distinct regulatory pathways and biological roles. It is activated in response to cellular stress and contributes to tumor suppression, but unlike p53, it is rarely mutated in human cancers.

The p73 protein is encoded by the TP73 gene, which undergoes complex alternative splicing, resulting in multiple isoforms with varying transcriptional activities. Two major classes of isoforms exist: the transactivation-competent TAp73 isoforms that promote apoptosis and the N-terminal truncated ÃŽÂ”Np73 isoforms that can act as dominant-negative inhibitors of both p53 and TAp73. The balance between these isoforms can significantly influence cellular responses to stress and the development of malignancies.

Researchers use a p73 antibody to investigate the expression and function of p73 isoforms in cancer, developmental biology, and neurobiology. A high-quality p73 antibody is essential for detecting specific isoforms in assays such as western blot, immunohistochemistry, and immunofluorescence.

NSJ Bioreagents offers a p73 antibody that provides high sensitivity and specificity for studying the different roles of p73 isoforms in various experimental contexts. Each p73 antibody in our catalog is validated for multiple applications and is supported by detailed technical data to assist in your research.

Application Notes

Optimal dilution of the p73 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human p73 / TP73 was used as the immunogen for the p73 antibody.

Storage

Store the p73 antibody at -20oC.

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