

TP73 polyclonal antibody

Catalog # PAB10146 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant TP73.
Immunogen	Recombinant GST fusion protein corresponding to C-terminus of TP73.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western blot (5 to 10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunoprecipitation

Gene Info — TP73

Entrez GeneID [7161](#)

Gene Name	TP73
Gene Alias	P73
Gene Description	tumor protein p73
Omim ID	601990
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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. The p73 gene expresses at least 35 mRNA variants due to the use of alternate promoters, alternate translation initiation sites, and multiple splice variations. Theoretically this can account for 29 different p73 isoforms; however, the biological validity and the full-length nature of most variants have not been determined. [provided by RefSeq]
Other Designations	OTTHUMP00000000662 p53-like transcription factor p53-related protein

Publication Reference

- [p300 does not require its acetylase activity to stimulate p73 function.](#)

Zeng X, Lee H, Zhang Q, Lu H.

The Journal of Biological Chemistry 2001 Jan; 276(1):48.

Application: EMSA, WB-Ce, WB-Tr, Human, H1299 cells

- [The large T antigen of simian virus 40 binds and inactivates p53 but not p73.](#)

Dobbelstein M, Roth J.

The Journal of General Virology 1998 Dec; 79 (Pt 12):3079.

Application: IF, Human, Saos-2 cells

- [The potential tumor suppressor p73 differentially regulates cellular p53 target genes.](#)

Zhu J, Jiang J, Zhou W, Chen X.

Cancer Research 1998 Nov; 58(22):5061.

Pathway

- [Neurotrophin signaling pathway](#)
- [p53 signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Digestive System Neoplasms](#)
- [Disease Progression](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Leukoplakia](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)

- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Oropharyngeal Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Pulmonary Disease](#)
- [Rhinitis](#)
- [Sinusitis](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [The p53 tumor suppressor protein](#)
- [Tooth Abnormalities](#)
- [Uterine Cervical Neoplasms](#)