

# p73 Polyclonal Antibody

Catalog # AP73527

### **Product Information**

Application WB Primary Accession <u>O15350</u>

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW69623

#### **Additional Information**

**Gene ID** 7161

Other Names TP73; P73; Tumor protein p73; p53-like transcription factor; p53-related

protein

**Dilution** WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other

applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

#### **Protein Information**

Name TP73

Synonyms P73

**Function** Participates in the apoptotic response to DNA damage. Isoforms containing

the transactivation domain are pro-apoptotic, isoforms lacking the domain are anti-apoptotic and block the function of p53 and transactivating p73 isoforms. May be a tumor suppressor protein. Is an activator of FOXJ1 expression (By similarity). It is an essential factor for the positive regulation of

lung ciliated cell differentiation (PubMed: 34077761).

Cellular Location Nucleus. Cytoplasm. Note=Accumulates in the nucleus in response to DNA

damage

**Tissue Location** Expressed in striatal neurons of patients with Huntington disease (at protein

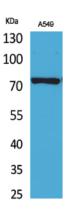
level). Brain, kidney, placenta, colon, heart, liver, spleen, skeletal muscle, prostate, thymus and pancreas Highly expressed in fetal tissue. Expressed in

the respiratory epithelium (PubMed:34077761).

## **Background**

Participates in the apoptotic response to DNA damage. Isoforms containing the transactivation domain are pro-apoptotic, isoforms lacking the domain are anti-apoptotic and block the function of p53 and transactivating p73 isoforms. May be a tumor suppressor protein.

## **Images**



Western Blot analysis of A549 cells using p73 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.