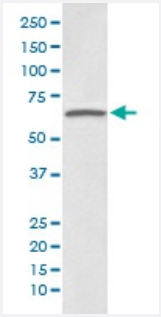
TP73 monoclonal antibody, clone EHI-20

Catalog # MAB20280 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with TP73 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human TP73.
Immunogen	A synthetic peptide corresponding to human TP73.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of HeLa cell lysate with TP73 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry
- Immunofluorescence

Gene Info — TP73

Entrez GeneID	7161
Protein Accession#	O15350
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 transactiv ate p53-responsive genes causing cell cycle arrest and apoptosis. The family members can inter act with each other in many ways involving direct or indirect protein interactions, resulting in regula tion of the same target gene promoters or regulation of each other's promoters. The p73 protein i s expressed at very low levels in normal tissues and is differentially expressed in a number of tum ors. The p73 gene expresses at least 35 mRNA variants due to the use of alternate promoters, alt ernate translation initiation sites, and multiple splice variations. Theoretically this can account for 2 9 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

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