

Name: TP53 mouse monoclonal antibody, clone UMAB18
Product Data Sheet - UltraMAB

Catalog: UM500018

Gene Name: Homo sapiens tumor protein p53 (TP53), transcript variant 1
GeneBank accession: NM_000546
Isotype: IgG1

Reactivity: Human
Test application: WB
Clone Name: Clone UMAB18

Gene Synonym: BCC7; LFS1; P53; TRP53

Guaranteed Applications: WB, IHC

Suggested Dilutions: WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100,

Immunogen: Full length human recombinant protein of human TP53 (NP_000537) produced in HEK293T cell.

Components:

- TP53 mouse monoclonal antibody, clone UMAB18 (UM500018)

Amount:

UM500018 100ul

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Storage Condition: Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Buffer: PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Purification:

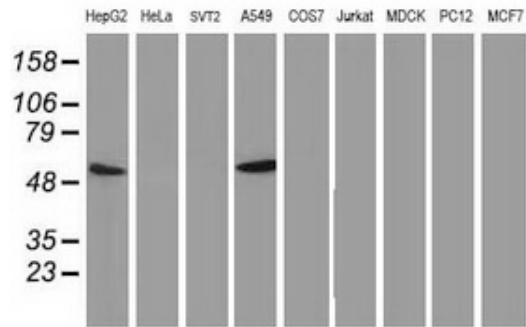
Purified from mouse ascites fluids by affinity chromatography

Background:

The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. [provided by RefSeq].

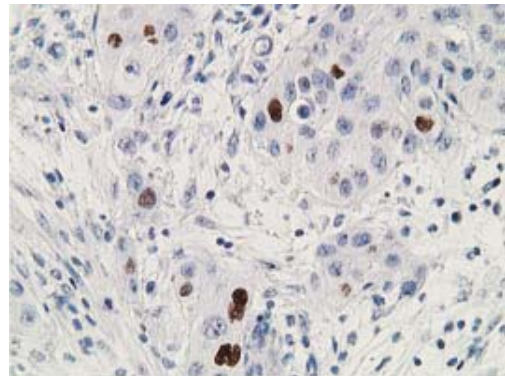
Validation Data:

Western Blot



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TP53 monoclonal antibody (Clone UMAB18).

IHC data



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-TP53 mouse monoclonal antibody. (Clone UMAB18, Dilution 1:100)

Related Product:

- TrueORF cDNA clones
- VERIFY Tagged Antigen lysates
- HuSH-29 shRNA
- Western Blot reagents
- Anti-myc/DDK tag antibodies

* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

* More validation images may be available on our website:

<http://www.origene.com/antibody/UM500018.aspx>

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.