

## TP53(R175H)

**Catalog Number:** 26072

**Gene Symbol:** TP53(R175H)

**Description:** Anti-TP53(R175H) Mouse Monoclonal Antibody

**Background:** TP53 belongs to the p53 proteins family. It is ubiquitously expressed, acts as a tumor suppressor in many tumor types and induces growth arrest or apoptosis depending on the physiological circumstances and cell type. Defects in TP53 are a cause of esophageal cancer (ESCR), lung cancer (LNCR), adrenocortical carcinoma (ADCC), choroid plexus papilloma (CPLPA) and so on.

**Immunogen:** A synthetic peptide from the internal region of TP53 which includes the mutation of R175H, human origin.

**Tested applications:** ELISA, WB, IHC

**Recommended dilutions:**

ELISA: 1:1000-1:5000

WB: 1:1000-1:1000

IHC: 1:50-1:100

**Concentration:** 1 mg/ml

**Host:** Mouse

**Clonality:** Monoclonal

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

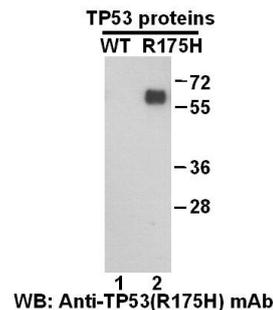
Preservative: no

Constituents: PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Anti-TP53(R175H) antibody recognizes TP53(R175H) of vertebrates.

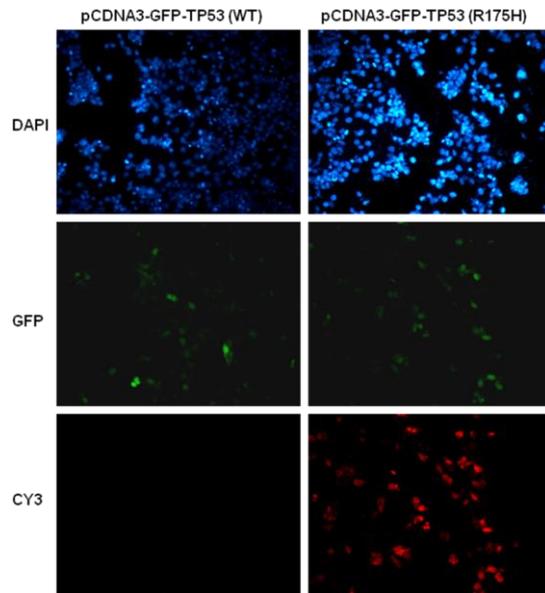
**Storage Conditions:** Store at -20 °C. Avoid freeze / thaw cycles

### Western blot:



Western blot analysis of recombinant TP53(R175H) and wildtype proteins. Purified His-tagged TP53(R175H) protein(Cat.#10207) and wildtype protein(Cat.#10202) were blotted with anti-TP53(R175H) monoclonal antibody(Cat.# 26072).

**Immunofluorescence:**



**Immunofluorescence of cells expressing TP53 proteins with anti-TP53 (R175H) antibody.**

HEK293T cells were transfected with pCDNA3-GFP-TP53 (WT) plasmid (left column) or pCDNA3-GFP-TP53 (R175H) plasmid (right column), then fixed and stained with anti-TP53 (R175H) monoclonal antibody (Cat. # 26072).