



## Cat nr AE00220

## Product Datasheet

Rabbit Polyclonal Phospho-Specific Antibody, TP53-pS33 to:

### TP53, phosphorylated S33

BCC7, LFS1, P53, TRP53, Cellular tumor antigen p53, Antigen NY-CO-13, Phosphoprotein p53, Tumor suppressor p53

Cellular localization                      Nucleus

Official Symbol (Gene)                      TP53  
GeneID    7157  
SwissProt    P04637

Confirmed Applications                      IHC, IP, WB  
Positive controls                                Nocodazole-treated HT29  
Customers positive feedback  
Aeonian Rating©                                70

Purification                                      Antigen-affinity purified from serum by sequential phospho-peptide and non-phospho-peptide affinity columns

Formulation                                       PBS, 0.02% azide, 50% glycerol

Amount     100ug                       200ug

Isotype    Rabbit IgG

Confirmed species reactivity                Human, Mouse, Rat

Immunogen                                        A synthetic peptide around S33 of human phosphorylated TP53 (NP\_000537.3).

Epitope    A short sequence around phosphorylated S33: VLSPL

Storage instructions                            Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.

Expiration                                        Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.

Warranty    This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately for replacement or refund.

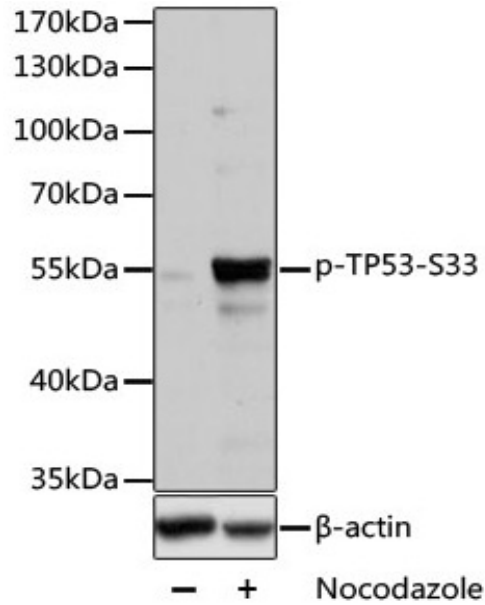
Liability    This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance                            see next pages

**Product data:**

**Western Blot (WB):**

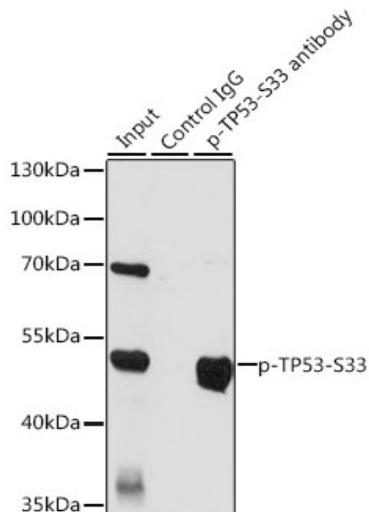
This product was successfully used to stain an approx. 55kDa band in lysates of HT29 after 16h Nocodazole treatment. Recommended concentration: 1-3ug/ml



Western Blot of HT29 (30ug) with or without Nocodazole (100ng/ml, 16h) treatment, stained with TP53-pS33 Rabbit Polyclonal Antibody AE00220 at 1ug/ml (1h at ambient temp). ECL staining by HRP.

**Immunoprecipitation (IP):**

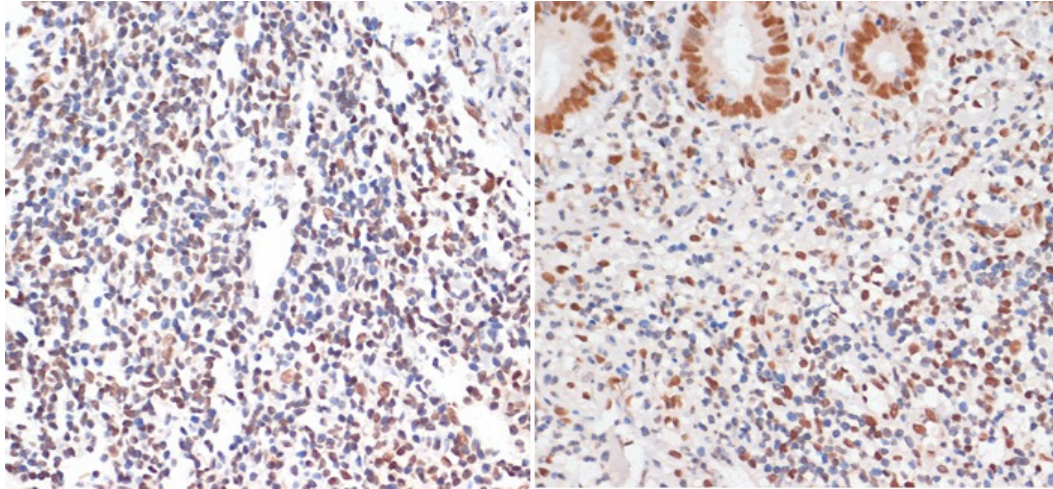
This product was successfully used to immunoprecipitate an approx. 53kDa band from lysates of Nocodazole-treated HT29. Recommended amount: 3-6ug.



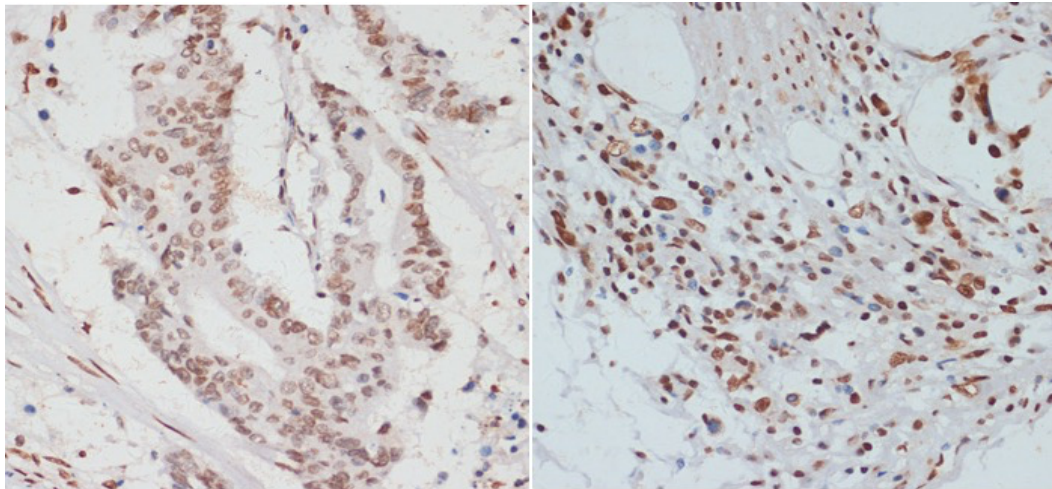
Western Blot of immunoprecipitation (lanes 2 and 3) from 200ug HT29 (16h treated by 100ng/ml Nocodazole) extract, using 3ug TP53-pS33 Rabbit Polyclonal Antibody AE00220, and using the same antibody for staining the blot at 1ug/ml (1h at ambient temp). ECL staining by HRP.

### ImmunoHistoChemistry (IHC):

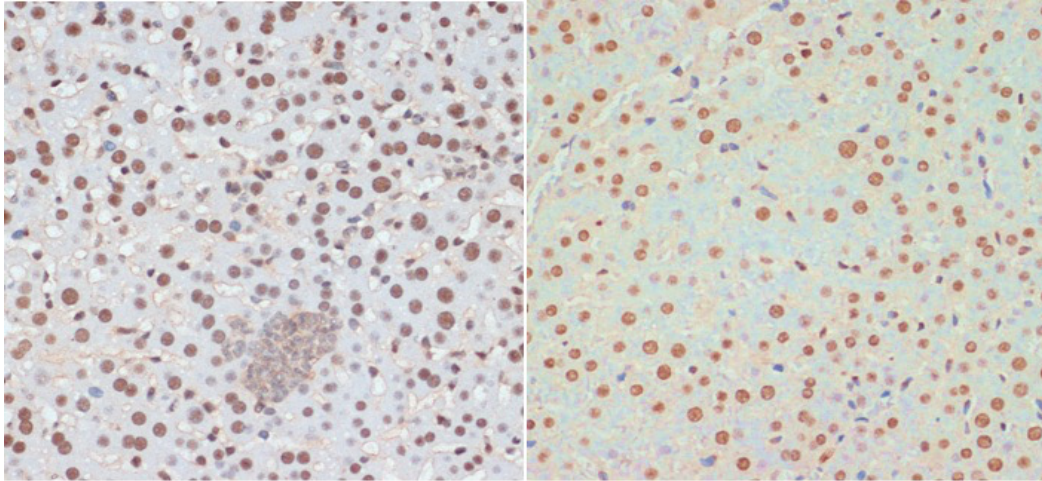
This product shows selective nuclear staining in human and rodent tissue sections. Recommended concentration: 5-15ug/ml



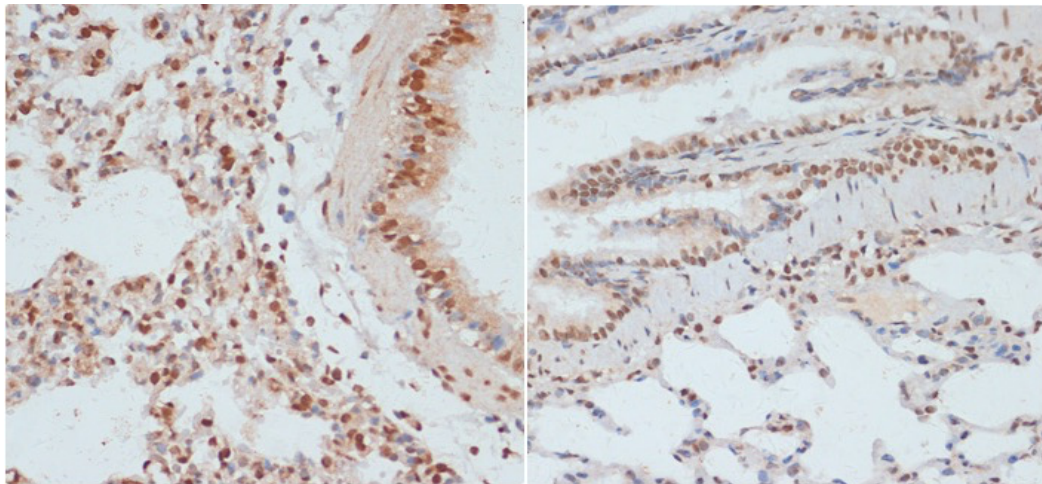
Formaldehyde-fixed, paraffin-embedded human tonsil (left) and appendix (right) stained with TP53-pS33 Rabbit Polyclonal Antibody AE00220 at 10ug/ml for 30 minutes at RT. Epitope retrieval: Microwave heating at pH7 to boiling, 5min at 95-98C, 1min at 100C, then cool to roomtemp. DAB staining by HRP polymer.



Formaldehyde-fixed, paraffin-embedded human colon cancer (left) and gastric cancer (right) stained with TP53-pS33 Rabbit Polyclonal Antibody AE00220 at 10ug/ml for 30 minutes at RT. Epitope retrieval: Microwave heating at pH7 to boiling, 5min at 95-98C, 1min at 100C, then cool to roomtemp. DAB staining by HRP polymer.



Formaldehyde-fixed, paraffin-embedded mouse liver (left) and rat liver (right) stained with TP53-pS33 Rabbit Polyclonal Antibody AE00220 at 10ug/ml for 30 minutes at RT. Epitope retrieval: Microwave heating at pH7 to boiling, 5min at 95-98C, 1min at 100C, then cool to roomtemp. DAB staining by HRP polymer.



Formaldehyde-fixed, paraffin-embedded mouse lung (left) and rat lung (right) stained with TP53-pS33 Rabbit Polyclonal Antibody AE00220 at 10ug/ml for 30 minutes at RT. Epitope retrieval: Microwave heating at pH7 to boiling, 5min at 95-98C, 1min at 100C, then cool to roomtemp. DAB staining by HRP polymer.