

Product datasheet for **AM33349PU-S**

p53 (TP53) Mouse Monoclonal Antibody [Clone ID: Pab122]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Pab122
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use BSA free Antibody for coating. Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 0.5-1 µg/ml. Western Blotting: 0.5-1.0 µg/ml. Immunoprecipitation: 0.5-1 µg/500 µg protein lysate. Immunohistochemistry on Frozen Sections: 0.5-1.0 µg/ml for 30 minutes at RT. Positive Control: MDA-MB-231 Cells. Breast or Colon carcinoma.
Reactivity:	Canine, Hamster, Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant Human wild type p53 protein expressed in <i>E. coli</i> .
Specificity:	Recognizes a conserved determinant of the p53 protein. Its epitope maps near the C-terminus end (aa 370-378) of p53. It has been used successfully to immunoprecipitate p53 oncoprotein complexes with simian virus 40 (SV40) large T antigen. Reportedly, this antibody precipitated the most ATPase-active form of T.p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to MDM2, SV40 T antigen and human papilloma virus E6 protein. Mutations involving p53 are found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma. Cellular Localization: Predominantly nuclear.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific



[View online »](#)

Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	53 kDa
Gene Name:	tumor protein p53
Database Link:	Entrez Gene 22059 Mouse Entrez Gene 24842 Rat Entrez Gene 716170 Monkey Entrez Gene 7157 Human P04637
Background:	p53 is a tumor suppressor gene expressed in a wide variety of tissue types and is involved in regulating cell growth, replication, and apoptosis. It binds to mdm2, SV40 T antigen and human papilloma virus E6 protein p53 senses DNA damage and possibly facilitating repair. Mutation involving p53 is found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma.
Synonyms:	Cellular tumor antigen p53, Tumor suppressor p53, Phosphoprotein p53, NY-CO-13
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Protein Pathways:	Amyotrophic lateral sclerosis (ALS), Apoptosis, Basal cell carcinoma, Bladder cancer, Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, Glioma, Huntington's disease, MAPK signaling pathway, Melanoma, Neurotrophin signaling pathway, Non-small cell lung cancer, p53 signaling pathway, Pancreatic cancer, Pathways in cancer, Prostate cancer, Small cell lung cancer, Thyroid cancer, Wnt signaling pathway