

## Product datasheet for **AM33349PU-T**

### **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:	<b>ELISA:</b> Use BSA free Antibody for coating. <b>Flow Cytometry:</b> 0.5-1 µg/million cells. <b>Immunofluorescence:</b> 0.5-1 µg/ml. <b>Western Blotting:</b> 0.5-1.0 µg/ml. <b>Immunoprecipitation:</b> 0.5-1 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen Sections:</b> 0.5-1.0 µg/ml for 30 minutes at RT. <b>Positive Control:</b> 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. <b>Cellular Localization:</b> 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



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<b>Purification:</b>	Protein A/G Chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Predicted Protein Size:</b>	53 kDa
<b>Gene Name:</b>	tumor protein p53
<b>Database Link:</b>	<a href="#">Entrez Gene 22059 Mouse</a> <a href="#">Entrez Gene 24842 Rat</a> <a href="#">Entrez Gene 716170 Monkey</a> <a href="#">Entrez Gene 7157 Human</a> <a href="#">P04637</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	Cellular tumor antigen p53, Tumor suppressor p53, Phosphoprotein p53, NY-CO-13
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
<b>Protein Pathways:</b>	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