Recombinant p53 Tumor Suppressor Protein Antibody

Mouse Monoclonal Antibody [Clone rIMX25]

Catalog No	Format	Size
7157-MSM37-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7157-MSM37-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7157-MSM37-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

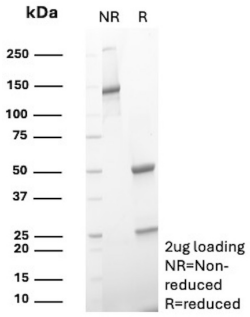
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

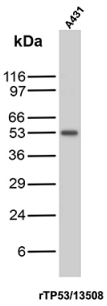
Clone	rIMX25
Immunogen	Recombinant full-length mouse p53 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	43.65kDa
Cellular Localization	Centrosome, Cytoplasm, Cytoskeleton, Endoplasmic reticulum, Microtubule organizing center, Mitochondrion matrix, Nucleus, PML body
Species Reactivity	Human
Positive Control	Human prostate or colon. Mouse 3T3 cells. A431.

**Optimal dilution for a specific application should be determined.*

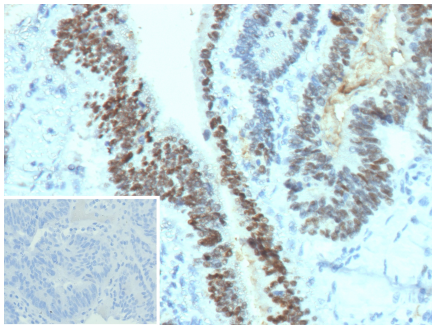
Product Images for Recombinant p53 Tumor Suppressor Protein Antibody



SDS-PAGE Analysis of Purified p53 Recombinant Mouse Monoclonal Antibody (rIMX25). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of A431 cell lysate using p53 Recombinant Mouse Monoclonal Antibody (rTP53/13508).



Formalin-fixed, paraffin-embedded human tonsil stained with p53 Recombinant Mouse Monoclonal Antibody (rIMX25). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

The accumulation of p53 protein in response to DNA damage in vitro is well established and appears to induce growth arrest and apoptosis by the transcriptional regulation of other genes. In irradiated mice, p53 protein accumulates in splenocytes, thymocytes and osteocytes, though not in hepatocytes. Mouse T3T3 cells express high levels of phenotypically characteristic wild type p53 protein which carries two missense mutations. The range of antigenic sites in mouse p53 protein and human p53 protein is very similar.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.