

Product datasheet

anti-p53 Protein mouse monoclonal, Bp53.11, liquid, purified, sample

Short overview

Cat. No.	690039S
Quantity	200 µl (50 µg/ml)
Concentration	50 µg/ml (10 µg)

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a
Clone	Bp53.11
Immunogen	Recombinant human p53 (transcription domain within the NH2 terminus)
Formulation	PBS, pH 7.4 with 0.09% sodium azide and 0.5% BSA
UniprotID	Q96A56 (Human)
Synonym	Tumor protein p53-inducible nuclear protein 1, Stress-induced protein, p53-dependent damage-inducible nuclear protein 1, p53DINP1, TP53INP1, P53DINP1, SIP
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC, WB
Reactivity	Human

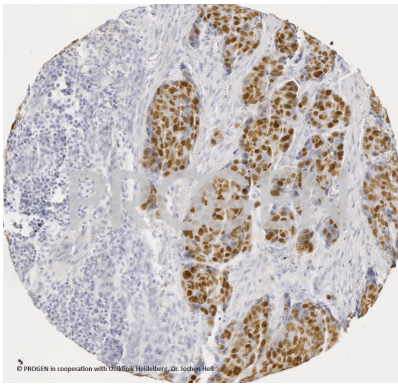
Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:1,000-1:3,000 (17-50 ng/ml)
Immunohistochemistry (IHC) - paraffin	1:1,000-1:3,000 (17-50 ng/ml, microwave treatment recommended)
Western Blot (WB)	1:2,000-1:10,000 (5-25 ng/ml)

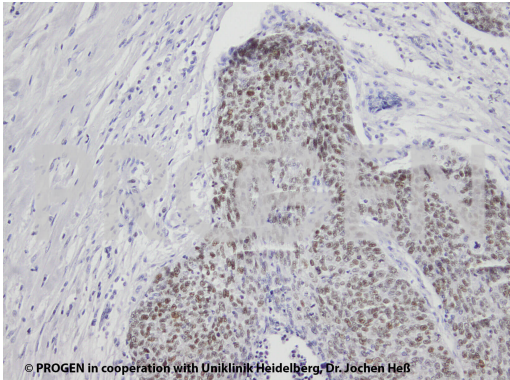
Background

Excellent marker for wild-type and mutant forms of human p53 antigen. Epitope recognized by Bp53.11: 20-SDLWKLLPENNV-31. The antibody stains positively approx. 60% of investigated carcinoma of lung, breast, colon, stomach, esophagus, pancreas, urinary bladder and testis, head and neck tumors; T-cell Leukemia, non-Hodgkin-Lymphoma, melanoma, sarcoma. Reactivity on cultured cell lines: Hela, MCF-7.

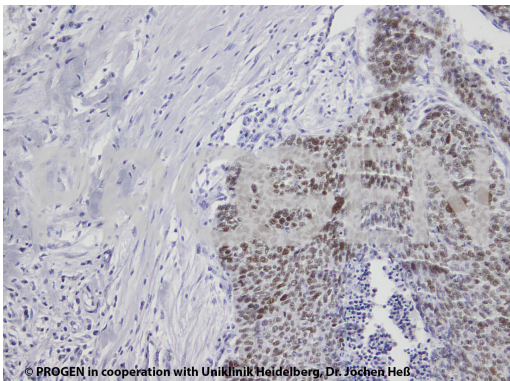
Product images



p53 staining in human squamous cell carcinoma (image courtesy of J.Heß, University Hospital Heidelberg)



p53 staining in human squamous cell carcinoma (image courtesy of J.Heß, University Hospital Heidelberg)



p53 staining in human squamous cell carcinoma (image courtesy of J.Heß, University Hospital Heidelberg)

References

Publication	Species	Application
Ratnaparkhe, M., et al., Defective DNA damage repair leads to frequent catastrophic genomic events in murine and human tumors., Nat Commun 9, 4760, (2018)	human	WB
Deng, Z. et al. Methylation of CpG sites in the upstream regulatory region, physical status and mRNA expression of HPV-6 in adult-onset laryngeal papilloma. Oncotarget. 8, 85368-85377 (2017)	human	IHC
Yamashita, Y., et al., Human papillomavirus infection and immunohistochemical expression of cell cycle proteins pRb, p53, and p16(INK4a) in sinonasal diseases., Infect Agent Cancer 10, 23, (2015)	human	IHC
Karakaya, K., et al., Overexpression of EVI1 interferes with cytokinesis and leads to accumulation of cells with supernumerary centrosomes in G0/1 phase., Cell Cycle 11, 3492-503, (2012)	human	
Kolb, T., Maass, K., Hergt, M., Aebi, U. & Herrmann, H., Lamin A and lamin C form homodimers and coexist in higher complex forms both in the nucleoplasmic fraction and in the lamina of cultured human cells., Nucleus 2, 425-33, (2011)	human	WB