

Datasheet for ABIN4219254
anti-p53 antibody (AA 20-31)



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Overview

Quantity:	2 x 25 µg
Target:	p53 (TP53)
Binding Specificity:	AA 20-31
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p53 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Immunogen:	Recombinant human p53 (transcription domain within the NH2 terminus)
Clone:	Bp53-11
Isotype:	IgG2a
Specificity:	P53
Cross-Reactivity:	Human
Purification:	Protein A affinity column

Target Details

Target:	p53 (TP53)
Alternative Name:	P53 (TP53 Products)
Background:	Excellent marker for wild-type and mutant forms of human p53 antigen. 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 Leuk
Gene ID:	7157
UniProt:	P04637
Pathways:	p53 Signaling , MAPK Signaling , PI3K-Akt Signaling , Apoptosis , AMPK Signaling , Chromatin Binding , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Autophagy , Warburg Effect

Application Details

Application Notes:	IHC: 1:500, when using the APAAP method
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	reconstitue with 1 mL deionized water
Concentration:	0.025 mg/mL
Buffer:	PBS, pH 7.4, 0.09 % Sodium azide, 0.5 % BSA
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	2-8°C, extended storage at -20°C, avoid repeated freeze-thaw cycles

Publications

Product cited in:	Zarka, Han, Edelson, Rosenblum: "Expression of cadherins, p53, and BCL2 in small cell carcinomas of the cervix: potential tumor suppressor role for N-cadherin." in: International journal of gynecological cancer : official journal of the International Gynecological Cancer
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Ohtaké, Cheng, Ida, Suzuki, Ohshiro, Zhang, Saku: "Precancerous foci in pleomorphic adenoma of the salivary gland: recognition of focal carcinoma and atypical tumor cells by P53 immunohistochemistry." in: **Journal of oral pathology & medicine : official publication of the International Association of Oral Pathologists and the American Academy of Oral Pathology**, Vol. 31, Issue 10, pp. 590-7, (2002) ([PubMed](#)).

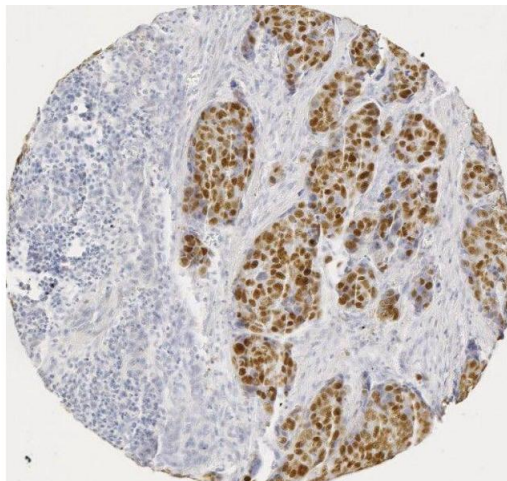
Homann, Nees, Conradt, Dietz, Weidauer, Maier, Bosch: "Overexpression of p53 in tumor-distant epithelia of head and neck cancer patients is associated with an increased incidence of second primary carcinoma." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 7, Issue 2, pp. 290-6, (2001) ([PubMed](#)).

Andl, Kahn, Pfuhl, Nicola, Erber, Conradt, Klein, Helbig, Dietz, Weidauer, Bosch: "Etiological involvement of oncogenic human papillomavirus in tonsillar squamous cell carcinomas lacking retinoblastoma cell cycle control." in: **Cancer research**, Vol. 58, Issue 1, pp. 5-13, (1998) ([PubMed](#)).

Petersen, Song, Hügler-Dörr, Oldenburg, Bautz: "Mapping of linear epitopes recognized by monoclonal antibodies with gene-fragment phage display libraries." in: **Molecular & general genetics : MGG**, Vol. 249, Issue 4, pp. 425-31, (1996) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



Immunohistochemistry

Image 1. p53 staining in human squamous cell carcinoma (image courtesy of J.Heß, University Hospital Heidelberg)