Product Datasheet

p53 Antibody (PAb122) [CoraFluor™ 1] NBP2-59625CL1

Unit Size: 0.1 ml

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NBP2-59625CL1

p53 Antibody (PAb122) [CoraFluor™ 1]

Product Information Unit Size 0.1 ml Concentration Please see the vial label for concentration. If unlisted please contact technical services. Storage Store at 4C in the dark. Do not freeze. Clonality Monoclonal Clone PAb122 Preservative No Preservative Isotype IgG2b Kappa Conjugate CoraFluor 1 Purity Protein A or G purified Buffer PBS Product Description CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF ToraFluor(MI) 1 can based to the emission wavelengths to CoraFluor(IM) 1 can based to the envision wavelengths to CoraFluor(IM) 1 can based to the envision wavelengths to CoraFluor(IM) 1 can based to the envision wavelengths to CoraFluor(IM) 1 can based to the envision wavelengths to CoraFluor(IM) 1 can based to the envision wavelengths to CoraFluor(IM) 1 can based to the envision wavelengths to CoraFluor(IM) 1 can based to the envision wavelengths to CoraFluor(IM) 1 can based store that reget magagement, ternary complex, protein-protein interaction and protein quantification assays. Host Mouse Gene ID 7157 Gene Symbol TP53 Species Human, Mouse, Rat, Canine, Hamster,			
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Immunogen SV40-transformed Mouse B4 cells		HuProtTM Array, containing more than 19,000, full-length human proteins. PAb122 binds to the C-terminus (aa370-378) of both wild type and mutated p53. When microinjected into nuclei, PAb122 blocked re-entry into the S-phase of the cell cycle. Mutation and/or allelic loss of p53 is one of the causes of a variety of mesenchymal and epithelial tumors. If it occurs in the germ line, such tumors run in families. p53 Binds to a DNA consensus sequence, the p53 response element, and it regulates normal cell growth cycle events by activating transcription of genes, involved either in progression through the cycle, or causing arrest in G1 when the genome is damaged. In most transformed and tumor cells the concentration of p53 is increased 51000 fold over the minute concentrations (1000 molecules cell) in normal cells, principally due to the increased half-life (4 h) compared to that of the wild-type (20 min). p53 Localizes in the nucleus, but is detectable at the plasma membrane during mitosis and when certain mutations modulate cytoplasmic/nuclear distribution. p53 Is the most commonly mutated gene in spontaneously occurring human cancers. Mutations arise with an average frequency of 70% but incidence varies from zero in carcinoid lung tumors to 97% in primary melanomas. High concentrations of p53 protein are transiently expressed in human epidermis and superficial dermal fibroblasts following mild ultraviolet irradiation.	
	Immunogen	SV40-transformed Mouse B4 cells	



Notes	CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254	
Product Application Details		
Applications	ELISA, Protein Array, CyTOF-ready	
Recommended Dilutions	ELISA, Protein Array, CyTOF-ready	
Application Notes	Optimal dilution of this antibody should be experimentally determined.	

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1129-ER-050	ErbB2/Her2 [Unconjugated]
NBP2-56234PEP	p53 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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