Product Datasheet

p53 Antibody (BP53-12 + DO-7) [Janelia Fluor® 646] NBP2-34563JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-34563JF646

p53 Antibody (BP53-12 + DO-7) [Janelia Fluor® 646]

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.
Clonality	Monoclonal
Clone	BP53-12 + DO-7
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa/IgG2b Kappa
Conjugate	Janelia Fluor 646
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description

Host	Mouse
Gene ID	7157
Gene Symbol	TP53
Species	Human, Bovine, Monkey
Specificity/Sensitivity	Recognizes a 53kDa protein, which is identified as p53 suppressor gene product. It reacts with the mutant as well as the wild form of p53 under denaturing and non-denaturing conditions. Its epitope maps within the N-terminus (aa 20-25) of p53 oncoprotein. 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. Positive nuclear staining with p53 antibody has been reported to be a negative prognostic factor in breast carcinoma, lung carcinoma, colorectal, and urothelial carcinoma. Anti-p53 positivity has also been used to differentiate uterine serous carcinoma from endometrioid carcinoma as well as to detect intratubular germ cell neoplasia. Mutations involving p53 are found in a wide variety of malignant tumors, including breast, ovarian, bladder, colon, lung, and melanoma.
Immunogen	Recombinant human wild-type p53 protein (BP53-12) & Recombinant human wild type p53 protein expressed in E. coli (DO-7) (Uniprot: P04637)
Notes	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.

Product Application Details

Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.

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Products Related to NBP2-34563JF646

NBP2-34495PEP	p53 Recombinant Protein Antigen
1129-ER-050	ErbB2/Her2 [Unconjugated]
DYC1043-2	p53 [Biotin]
AF835	Caspase-3 Antibody [Unconjugated] - Active

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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