

Datasheet for ABIN306640 **anti-PPP1CA antibody**



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Overview

Quantity:	100 µg
Target:	PPP1CA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PPP1CA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Recombinant human p16 INK4a molecule, Monoclonal antibody DCS-50 is produced after immunisation of Balb/c mice with the full length recombinant p16 INK4a protein of human origin.
Isotype:	IgG
Specificity:	P16 INK4a
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Human, other species not tested
Characteristics:	pp1a, rabbit anti protein phosphatase 1 alpha, The antibody is suitable to detect p16 in different tissues. Staining results may be cytoplasmatic or nuclear. Nuclear staining should be more specific. Human p16 INK4a (syn. CDKN2, MTS-1) protein is an inhibitor of Cyclin-Dependent-Kinases 4 and 6 (cdk4/cdk6). CDK4 is an important enzyme for the progression of the cell cycle

Product Details

during the G1-Phase. By its inhibitory action p16 is an important regulator in the cell cycle. The gene encoding for p16 is deleted in many tumour cell lines. In adenocarcinoma of the cervix uteri usually p16 levels are increased. Endocervical p16-overexpression is mostly associated with "high risk" HPV-Typing. In other tumour types as squamous epithelial carcinoma in cervix uteri and head and neck carcinoma p16 expression usually is reduced.

Purification: Protein A affinity purification.

Target Details

Target:	PPP1CA
Alternative Name:	Protein Phosphatase 1 alpha (PPP1CA Products)
Pathways:	M Phase , Cellular Glucan Metabolic Process , Regulation of Carbohydrate Metabolic Process , Lipid Metabolism

Application Details

Application Notes:	Pre-treatment with Unmasking Fluid C (Citrate Buffer) or Unmasking Fluid G at 96-100 degree of Celsius is recommended for paraffin sections.,IHC (C,P), IP,60 min at RT,1:10
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	Protein A affinity purified antibody lyophilized from PBS pH 7.4 with BSA and Na-Azide 0.09 % .
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
Storage Comment:	2-8°C