

DATASHEET

CDK4 Rabbit Monoclonal Antibody(ARB918)

CAT. NO. ARB6710

KEY FEATURES

Target	CDK4	Clonality	Monoclonal
Clone ID	ARB918	Applications	IHC
Source / Host	Rabbit	Dilution	1:100-1:200
Reactivity	Human	Storage	at-20°C

BACKGROUND

Cyclin-dependent kinase-4 (CDK4) is a protein-serine kinase involved in the cell cycle. It is essential for the G1- to S-phase transition during the cell cycle and its expression is primarily controlled at the transcriptional level (PMID:17253961). CCND1-CDK4 axis is not only critical in glial tumor cells but also in stromal-derived cells in the surrounding tumor microenvironment that are vital to sustain tumor outgrowth (PMID:21844184). CDK4 is highly expressed in highly differentiated and dedifferentiated liposarcomas, but rarely expressed in other benign liposarcomas and other sarcomas. CDK4 and MDM2 combined to differentiate between highly differentiated liposarcoma (+), dedifferentiated liposarcoma (+) and myxoid liposarcoma, pleomorphic liposarcoma, spindle lipoma, pleomorphic lipoma and other high-grade sarcomas.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:200
-----	---------------

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

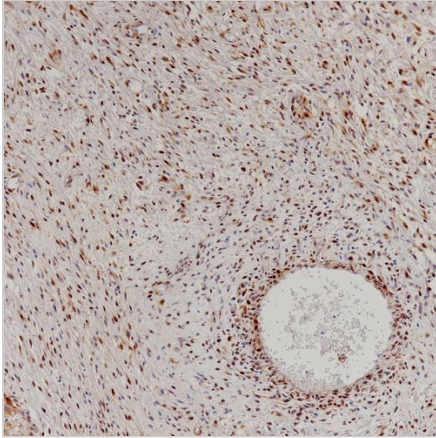
Predicted Molecular Wt	34kDa
Purity	ProA affinity purified IgG
Subcellular location	Nucleus
Swissprot ID	P11802
Immunogen	Synthetic peptide corresponding to the N-term of CDK4
Storage Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Recommended Method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET**CDK4 Rabbit Monoclonal Antibody(ARB918)**

CAT. NO. ARB6710

DATA

Immunohistochemical staining of human dedifferentiated liposarcoma tissue using CDK4 Rabbit Monoclonal Antibody (ARB918).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com