



ARPC4 Mouse mAb

Catalog No	YP-mAb-19298
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ARPC4 ARC20
Immunogen	Synthesized peptide derived from human ARPC4
Specificity	This antibody detects endogenous levels of ARPC4 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ARC20;Arp2/3 complex 20 kDa subunit;ARPC4;p20 Arc;ARPC4 ARC20;Actin-related protein 2/3 complex subunit 4 (Arp2/3 complex 20 kDa subunit) (p20-ARC)
Observed Band	19-25 kDa
Calculated Molecular Weight	20 kDa
Cell Pathway	Cytoplasm, cytoskeleton . Cell projection . Nucleus .
Tissue Specificity	
Function	Actin-binding component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF) . The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility . In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA . The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs) .



Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images