



ARP2 Rabbit pAb

Catalog No	YP-Ab-19412
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	ACTR2 ARP2
Protein Name	Actin-related protein 2 (Actin-like protein 2)
Immunogen	Synthesized peptide derived from human ARP2. AA range:1-64
Specificity	This antibody detects endogenous levels of ARP2 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit 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	
Observed Band	
Calculated Molecular Weight	43kD
Cell Pathway	Cytoplasm , cytoskeleton . Cell projection . Nucleus .
Tissue Specificity	
Function	ATP-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 . Seems to contact the pointed end of the daughter actin filament . In podocytes , required for the formation of lamellipodia downstream of AVIL and PLCE1 regulation . 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