

ARPC2 Rabbit mAb

Catalog # AP75105

Product Information

Application	WB, IHC-P, IHC-F, IP, ICC
Primary Accession	O15144
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	34333

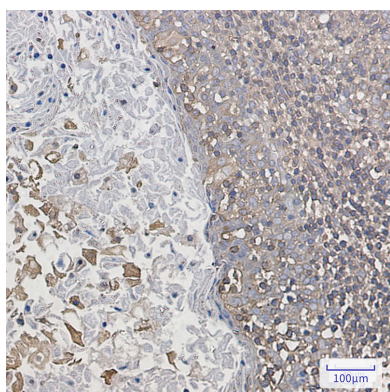
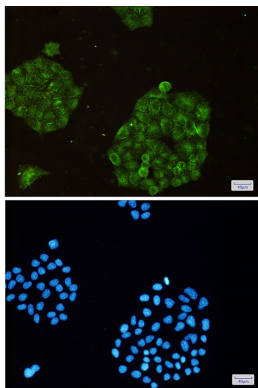
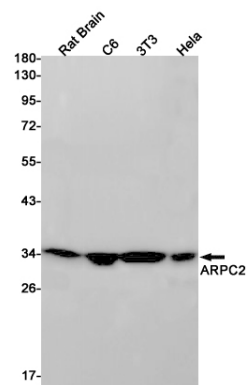
Additional Information

Gene ID	10109
Other Names	ARPC2
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~N/A ICC~~N/A
Format	Liquid

Protein Information

Name	ARPC2
Synonyms	ARC34
Function	<p>Actin-binding component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF) (PubMed:9230079). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (PubMed:9230079). Seems to contact the mother actin filament (PubMed:9230079). 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 (PubMed:29925947). 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) (PubMed:29925947).</p>
Cellular Location	Cytoplasm, cytoskeleton. Cell projection. Synapse, synaptosome {ECO:0000250 UniProtKB:Q9CVB6}. Nucleus

Images



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