



Arp3 Monoclonal Antibody

Catalog No	YP-mAb-03087
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ACTR3
Immunogen	The antiserum was produced against synthesized peptide derived from human ACTR3. AA range:369-418
Specificity	Arp3 Monoclonal Antibody detects endogenous levels of Arp3 protein.
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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Actin like protein 3;Actin related protein 3;ACTR3;ACTR3B;Arp11;ARP3;ARP3/ARP3B;Arp4;Actin-related protein 3;Actin-like protein 3
Observed Band	47kD
Calculated Molecular Weight	47kD
Cell Pathway	Cytoplasm, cytoskeleton . Cell projection . Nucleus . In pre-apoptotic cells, colocalizes with MEFV in large specks (pyroptosomes) (PubMed:19109554).
Tissue Specificity	Brain,Cajal-Retzius cell,T-cell,
Function	function:Functions as ATP-binding component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks. Seems to contact the pointed end of the daughter actin filament., similarity:Belongs to the actin family.,similarity:Belongs to the actin family. ARP3 subfamily.,subunit:Component of the Arp2/3 complex composed of ARP2, ARP3, ARPC1B/p41-ARC, ARPC2/p34-ARC, ARPC3/p21-ARC, ARPC4/p20-ARC and ARPC5/p16-ARC. Interacts with WHDC1.,



Background

The specific function of this gene has not yet been determined; however, the protein it encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through lamellipodial actin assembly and protrusion. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Mar 2013],

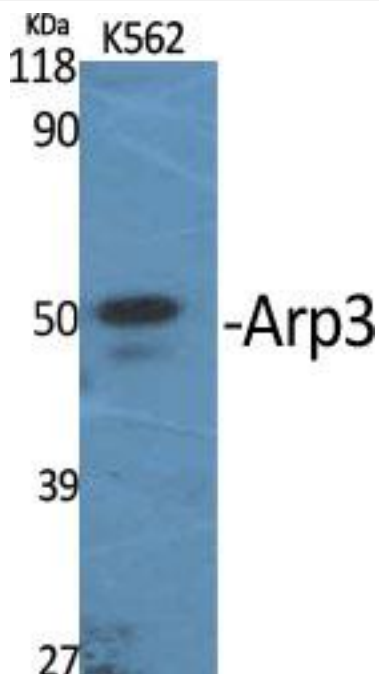
matters needing attention

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



Western Blot analysis of various cells using Arp3 Monoclonal Antibody