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ACTR3B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8540b

Product Information

Application	WB, E
Primary Accession	Q9P1U1
Reactivity	Human, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22073
Calculated MW	47608
Antigen Region	325-352

Additional Information

Gene ID	57180
Other Names	Actin-related protein 3B, ARP3-beta, Actin-like protein 3B, Actin-related protein ARP4, ACTR3B, ARP11, ARP4
Target/Specificity	This ACTR3B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 325-352 amino acids from the C-terminal region of human ACTR3B.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ACTR3B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ACTR3B
Synonyms	ARP11, ARP4
Function	Plays a role in the organization of the actin cytoskeleton. May function 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. May decrease the metastatic potential of tumors.
Cellular Location	Cytoplasm, cytoskeleton. Cell projection
Tissue Location	Detected in fetal brain. Detected throughout the adult brain, in neurons from gray matter, but not in white matter Detected in liver, skeletal muscle and pancreas. Detected in lung adenocarcinoma cells with low metastatic potential, but not in lung adenocarcinoma cells with high metastatic potential

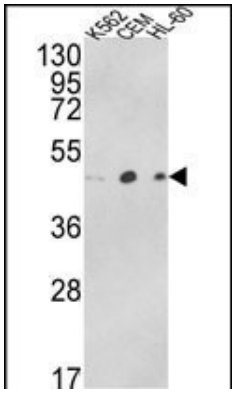
Background

ACTR3B plays a role in the organization of the actin cytoskeleton. It may function 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 and may decrease the metastatic potential of tumors.

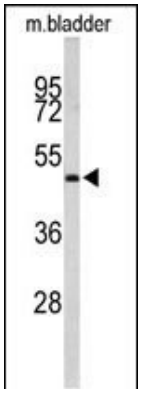
References

Ewing,R.M., et.al., Mol. Syst. Biol. 3, 89 (2007)
Shindo-Okada,N.et.al., Biochem. Biophys. Res. Commun. 280 (1), 61-67 (2001)

Images



Western blot analysis of ACTR3B Antibody (C-term) (Cat. #AP8540b) in K562, CEM, HL-60 cell line lysates (35ug/lane). ACTR3B (arrow) was detected using the purified Pab.



Western blot analysis of ACTR3B Antibody (C-term) (Cat. #AP8540b) in mouse bladder tissue lysates (35ug/lane). ACTR3B (arrow) was detected using the purified Pab.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.