

ACTR5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9266b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9H9F9
Reactivity	Human, Hamster
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22572
Calculated MW	68297
Antigen Region	539-568

Additional Information

Gene ID	79913
Other Names	Actin-related protein 5, hARP5, Sarcoma antigen NY-SAR-16, ACTR5, ARP5
Target/Specificity	This ACTR5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 539-568 amino acids from the C-terminal region of human ACTR5.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	ACTR5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ACTR5
Synonyms	ARP5
Function	Proposed core component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably

DNA repair. Involved in DNA double-strand break repair and UV-damage excision repair.

Cellular Location

Nucleus. Cytoplasm. Note=Predominantly nuclear but undergoes nucleo-cytoplasmic shuttling (PubMed:19014934). Localized to interphase nuclei, but not nucleoli; excluded from chromosomes as mitosis progresses (PubMed:18163988)

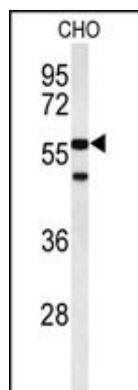
Background

ACTR5 may be involved in transcription regulation via its interaction with the INO80 complex, a chromatin remodeling complex

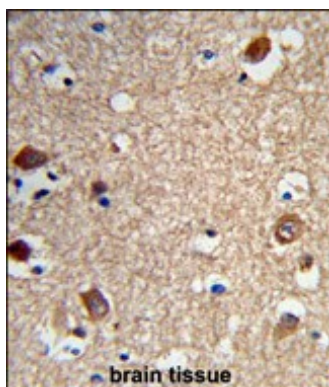
References

- Kitayama,K., et.al., Exp. Cell Res. 315 (2), 206-217 (2009)
Jin,J., et.al., J. Biol. Chem. 280 (50), 41207-41212 (2005)
Lee,S.Y., et.al., Proc. Natl. Acad. Sci. U.S.A. 100 (5), 2651-2656 (2003)

Images



Western blot analysis of ACTR5 Antibody (C-term) (Cat. #AP9266b) in CHO cell line lysates (35ug/lane). ACTR5 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with ACTR5 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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