

Rabbit ACTR1A Polyclonal Antibody | anti-ACTR1A antibody

ACTR1A Antibody

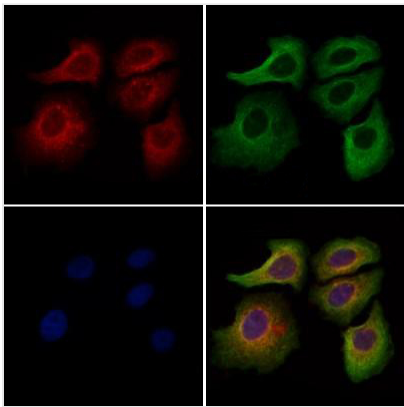
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31230	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%)	ELISA

PRODUCT SYNONYMS

ACTR1A; Polyclonal Antibody; ACTR1A Antibody; Actin related protein 1; Actin RPV; Actin-RPV; ACTR 1A; Actr1a; ACTZ_HUMAN; Alpha centractin; Alpha-centractin; ARP 1; ARP1 actin related protein 1 homolog A; ARP1 actin related protein 1 homolog A centractin alpha; ARP1; ARP1 yeast homolog A; Centractin alpha; Centractin; Centrosome associated actin homolog; Centrosome-associated actin homolog; CTRN 1; CTRN1; FLJ52695; FLJ52800; FLJ55002; anti-ACTR1A antibody

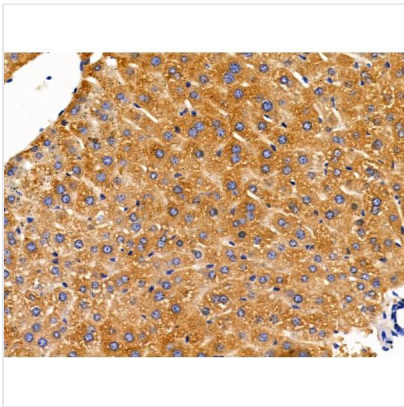
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	ACTR1A Antibody detects endogenous levels of total ACTR1A.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	376
Applicable Applications for anti-ACTR1A antibody	ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human ACTR1A, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



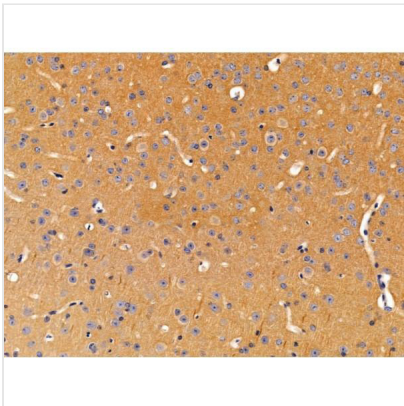
IF (Immunofluorescence)

AAA31230 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31230 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



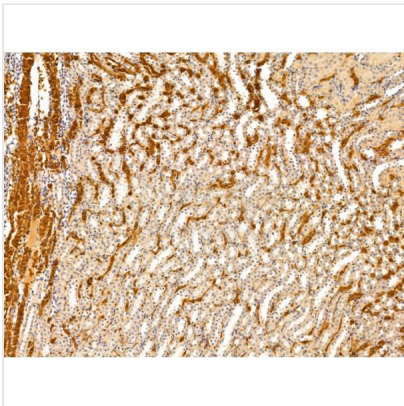
IHC (Immunohistochemistry-Paraffin)

AAA31230 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



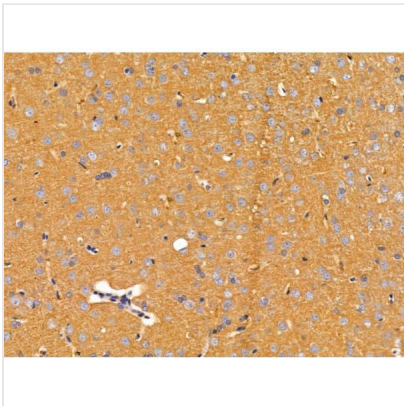
IHC (Immunohistochemistry-Paraffin)

AAA31230 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



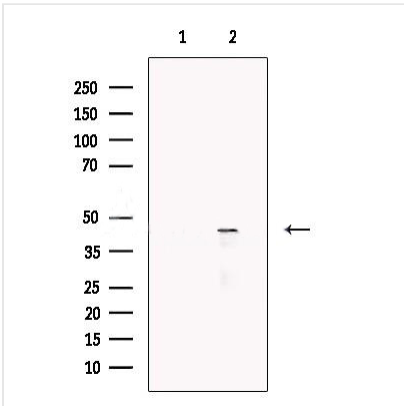
IHC (Immunohistochemistry-Paraffin)

AAA31230 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31230 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat, using ACTR1A Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti- ACTR1A antibody	Function: Component of a multi-subunit complex involved in microtubule based vesicle motility. It is associated with the centrosome. Subcellular Location: Cytoplasm>Cytoskeleton. Cytoplasm>Cytoskeleton>Microtubule organizing center>Centrosome. Cytoplasm>Cell cortex. Subunit Structure: Interacts with BCCIP (isoform 2/alpha). Similarity: Belongs to the actin family. ARP1 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031569
NCBI GeneID	10121
NCBI Accession #	NP_005727.1
NCBI GenBank Nucleotide #	NP_005727.1
UniProt Accession #	P61163
Molecular Weight	Observed Molecular Weight: (Observed)42kD. Predicted Molecular Weight: (Calculated)43kDa.
NCBI Official Full Name	alpha-centractin
NCBI Official Synonym Full Names	actin related protein 1A
NCBI Official Symbol	ACTR1A
NCBI Official Synonym Symbols	ARP1; Arp1A; CTRN1
NCBI Protein Information	alpha-centractin
UniProt Protein Name	Alpha-centractin
UniProt Gene Name	ACTR1A
UniProt Synonym Gene Names	CTRN1; Centractin
UniProt Entry Name	ACTZ_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/actr1a-antibody-elisa/31230>