

Cofilin Polyclonal Antibody | anti-CFL1 antibody

Anti-Cofilin Antibody

CATALOG # AAA46446	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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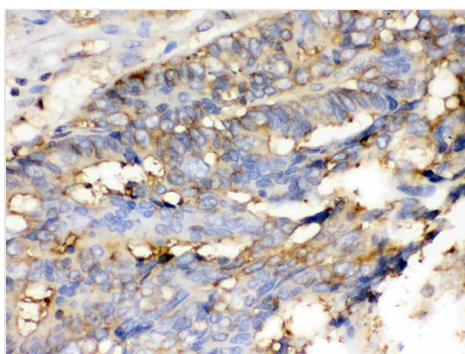
PRODUCT SYNONYMS

Cofilin; Polyclonal Antibody; Anti-Cofilin Antibody; Cofilin-1; 18 kDa phosphoprotein; CFL 1; CFL; CFL1; COF1_HUMAN; Cofilin 1; Cofilin 1 non muscle; Cofilin non muscle isoform; epididymis secretory protein Li 15; HEL-S-15; non-muscle isoform; p18; cofilin 1 (non-muscle); anti-CFL1 antibody

PRODUCT SPECIFICATIONS

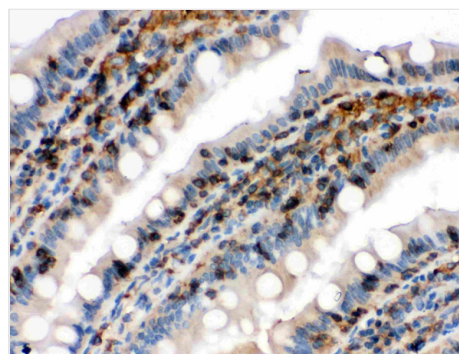
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	166
Applicable Applications for anti-CFL1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cofilin (122-152aa DAIKKKLTGIKHELQANCYEEVKDRCTLAEK), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



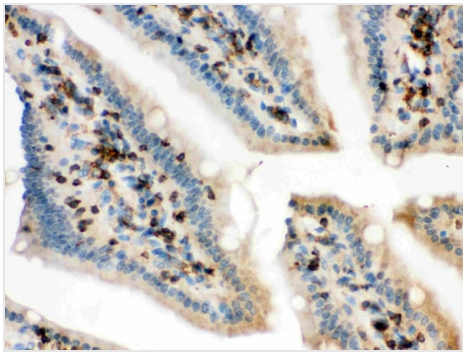
IHC (Immunohistochemistry)

Anti- Cofilin Picoband antibody, AAA46446, IHC(P)IHC(P): Human Intestinal Cancer Tissue

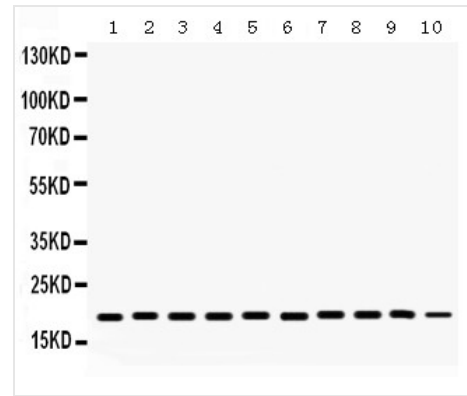


IHC (Immunohistochemistry)

Anti- Cofilin Picoband antibody, AAA46446, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti- Cofilin Picoband antibody, AAA46446, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)
Anti- Cofilin Picoband antibody, AAA46446, Western blottingAll lanes: Anti Cofilin (AAA46446) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 50ugLane 2: Rat Lung Tissue Lysate at 50ugLane 3: Rat Ovary Tissue Lysate at 50ugLane 4: Mouse Liver Tissue Lysate at 50ugLane 5: Mouse Brain Tissue Lysate at 50ugLane 6: Mouse Lung Tissue Lysate at 50ugLane 7: HELA Whole Cell Lysate at 40ugLane 8: JURKAT Whole Cell Lysate at 40ugLane 9: A549 Whole Cell Lysate at 40ugLane 10: SMMC Whole Cell Lysate at 40ugPredicted bind size: 19KDObserved bind size: 19KD

ADDITIONAL INFORMATION

Related Product Information for anti-CFL1 antibody	Description: Rabbit IgG polyclonal antibody for Cofilin-1(CFL1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Cofilin, a member of the ADF/cofilin family, is actually a protein with 70% sequence homology to ADF, making it part of the ADF/cofilin family of small ADP-binding proteins. It is a ubiquitous actin-binding factor required for the reorganization of actin filaments. The protein is known to sever actin filaments by creating more positive ends on filament fragments, it can cause depolymerization at the minus end of filaments, thereby preventing their reassembly. As a long-lasting in vivo effect, cofilin recycles older ADP-F-actin, helping cell to maintain ATP-G-actin pool for sustained motility. pH, phosphorylation and phosphoinositides regulate cofilin's binding and associating activity with actin.
References	1. Cooper, G. M. and R. E. Hausman. The Cell: A Molecular Approach, 3rd ed. Washington DC: ASM Press 2004 pp.436-440. 2. Ichetovkin I, Han J, Pang KM, Knecht DA, Condeelis JS (April 2000). "Actin filaments are severed by both native and recombinant dictyostelium cofilin but to different extents". Cell Motil. Cytoskeleton 45 (4): 293-306. 3. Lappalainen P, Drubin DG (July 1997). "Cofilin promotes rapid actin filament turnover in vivo".Nature 388 (6637): 78-82.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031635
NCBI GeneID	1072
NCBI Accession #	NP_005498.1
NCBI GenBank Nucleotide #	NM_005507.2
UniProt Accession #	P23528; Q53Y87; Q9UCA2; B3KUQ1
Molecular Weight	18,502 Da
NCBI Official Full Name	cofilin-1
NCBI Official Synonym Full Names	cofilin 1
NCBI Official Symbol	CFL1
NCBI Official Synonym Symbols	CFL; cofilin; HEL-S-15
NCBI Protein Information	cofilin-1

UniProt Protein Name	Cofilin-1
UniProt Gene Name	CFL1
UniProt Synonym Gene Names	CFL; p18
UniProt Entry Name	COF1_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://stage.aaabiotech.com/polyclonal/cofilin-antibody-immunohistochemistry-western-blot-elisa/46446>