

Order: 0571-88177686 Fax: 0571-88177681 Support: support@biolynx.cn

Rev.: 2018/12/5

Alpha Actin 2

Recombinant Rabbit Monoclonal Antibody Catalog# BX00041 **Product Datasheet** Clone# RR645

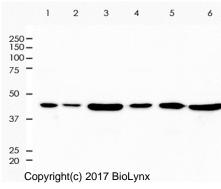
Predicted Molecular Wt: 42kDa Purity: ProA affinity purified IgG

Hu, Mu, Rat, Bovine, Dog, Pig, Zebrafish, Green monkey **Species Cross-reactivity:** Form: Liquid Swissprot ID: P62736 Species cross-reactivity determined by WB

IHC-P IF/ICC **Applications:** FC

Background:

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.



All lanes: Anti-Alpha Actin 2 antibody at 1:2,000 dilution Predicted MW: 42 kDa Observed MW: 42 kDa Lane 1: Hela Lane 2: HaCat Lane 3: 293 Lane 4: LnCap Lane 5: PC-3 Lane 6: T47D

Lysate at 10 µg per lane

2nd Ab:

G&R HRP(H+L) 1:10,000

Immunogen:

A synthetic peptide corresponding to residues on the N-terminus of human Alpha Actin 2 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C.

Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

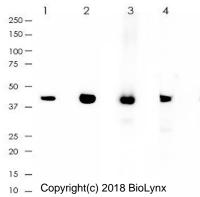
Recommended Dilutions:

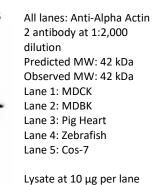
WB: 1:1,000 - 1:2,000 IHC-P: 1:2,000 - 1:4,000 1:80 - 1:200 IF/ICC: 1:20 - 1:100 FC:

Background References:

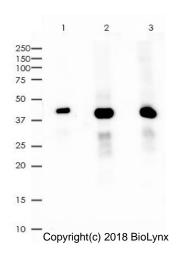
1. Chen X., Sci Rep 7:40958 (2017).

2. Vermillion MS., Nat Commun 8:14575 (2017).





G&R HRP(H+L) 1:10,000



All lanes: Anti-Alpha Actin 2 antibody at 1:2,000

dilution

Predicted MW: 42 kDa Observed MW: 42 kDa

Lane 1: Mu Brain Lane 2: Rat Kidney Lane 3: Rat Liver

Lysate at 10 µg per lane 2nd Ab: G&R HRP(H+L) 1:10,000

Exposure: 120s

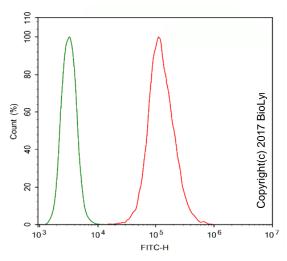


Order: 0571-88177686 Fax: 0571-88177681 Support: support@biolynx.cn

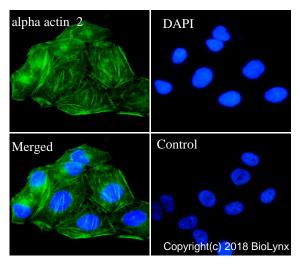
Rev.: 2018/12/5



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of placenta labelling Alpha Actin 2 with RR645 at 1:2,000. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.



Overlay histogram showing Hela cells stained with RR645 (Red). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then incubated in the antibody (RR645 , 1:100 dilution) in 1x PBS/1% BSA for 30 min at 4°C. The secondary antibody used was a Goat Anti-Rabbit Alexa Fluor® 488 (IgG H+L) at 1:2,000 dilution for 20 min at 4°C. Unlabelled sample (Green) was used as a control.



RR645 staining Alpha Actin 2 in Hela cells by IF/ICC (immunofluorescence/immunocytochemistry). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100 and blocked with 10% goat serum for half an hour at room temperature. Samples were incubated with primary antibody (1:200) at 4°C. An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG polyclonal was used as the secondary antibody (1:500). DAPI (blue) was used as the nuclear counter stain. Control: PBS and secondary antibody, An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG (1:500).

Product QC'd by:

Nothing

For research use only. Not for use in diagnostic or therapeutic applications.