

Rabbit Anti-Human ACTB Polyclonal Antibody

Catalog No. Size
HS-PP-0105 100 µl



Description	Rabbit Polyclonal to ACTB
Physical State	Liquid
Antibody Concentration	1 mg/ml
Antibody form	Affinity isolated antibody
Tested applications	WB, Indirect ELISA
Species reactivity	Human
Antibody Purity	Protein A purified
Suggested Dilution	1:400 for WB and IHC
Range	1:5,000- 1:100,000 for ELISA
Storage Instructions	Store at 2-8°C for up to 6 months and -20°C for long term storage in small aliquots to prevent freeze-thaw cycles.

Immunogen This anti-ACTB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide.

Background Information ACTB also named as Beta Actin and F-Actin belongs to the actin family. Actins are highly conserved globular proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. At least six isoforms of actins are known in mammals and other vertebrates: alpha (ACTC1, cardiac muscle 1), alpha 1 (ACTA1, skeletal muscle) and 2 (ACTA2, aortic smooth muscle), beta (ACTB), gamma 1 (ACTG1) and 2 (ACTG2, enteric smooth muscle). Beta and gamma 1 are two non-muscle actin proteins. Most actins consist of 376aa, while ACTG2 (rich in muscles) has 375aa and ACTG1(found in non-muscle cells) has only 374aa. Beta Actin has been widely used as the internal control in RT-PCR and Western Blotting as a 42-kDa protein. This antibody was generated

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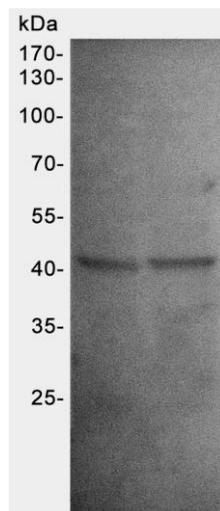
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by full length beta actin protein and can cross-react with other actins.

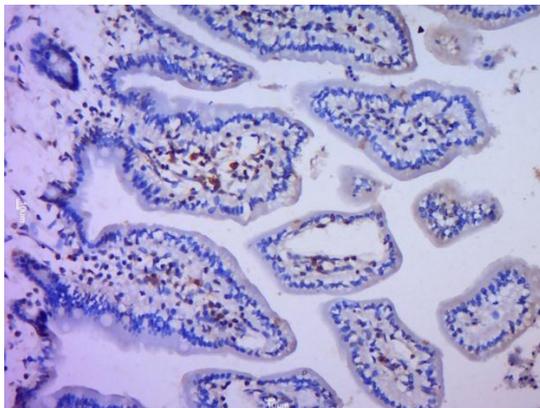
Note

For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

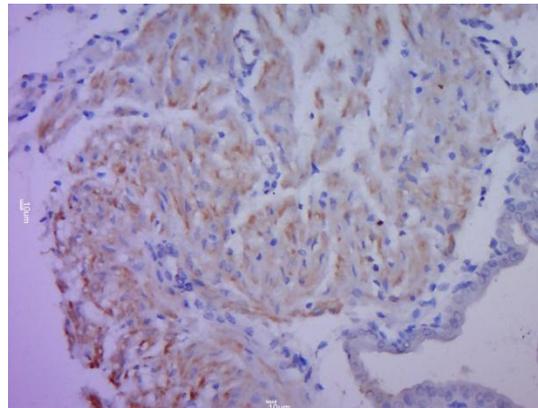


ACTB in HeLa whole cell lysates(15ug/30ug) with Anti-ACTB_HUMAN, rabbit polyclonal antibody at 2.5 μ g/mL.

Predicted molecular weight:42 kDa.



Immunohistochemical of paraffin-embedded rat pancreas using ACTB antibody(HS-PP-0105) at dilution of 1:400.



Immunohistochemical of paraffin-embedded mouse placenta using ACTB antibody(HS-PP-0105) at dilution of 1:400.