

Anti-Beta-actin Antibody-HRP labeled
Rabbit polyclonal antibody to Beta-actin-HRP labeled
Catalog # AP61571**Specification**

Anti-Beta-actin Antibody-HRP labeled - Product Information

Application	WB
Primary Accession	P60709
Other Accession	P60710
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41737

Anti-Beta-actin Antibody-HRP labeled - Additional Information**Gene ID** 60**Other Names**

Actin cytoplasmic 1; Beta-actin

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence of human Beta-actin-HRP labeled. The exact sequence is proprietary.

Dilution

WB~~WB (1/2000 - 1/5000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-Beta-actin Antibody-HRP labeled - Protein Information**Name** ACTB**Function**

Actin is a highly conserved protein that polymerizes to produce filaments that form cross-linked networks in the cytoplasm of cells (PubMed: [25255767](http://www.uniprot.org/citations/25255767), PubMed: [29581253](http://www.uniprot.org/citations/29581253)). Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction (PubMed: [29581253](http://www.uniprot.org/citations/29581253)). In addition to their role in the cytoplasmic cytoskeleton, G- and F- actin also localize in the nucleus, and regulate

gene transcription and motility and repair of damaged DNA (PubMed:29925947). Plays a role in the assembly of the gamma-tubulin ring complex (gTuRC), which regulates the minus-end nucleation of alpha-beta tubulin heterodimers that grow into microtubule protofilaments (PubMed:39321809, PubMed:38609661). Part of the ACTR1A/ACTB filament around which the dynactin complex is built (By similarity). The dynactin multiprotein complex activates the molecular motor dynein for ultra-processive transport along microtubules (By similarity).

Cellular Location

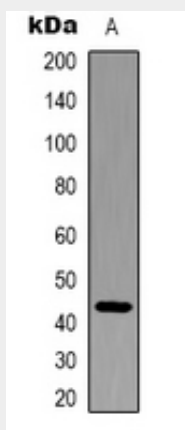
Cytoplasm, cytoskeleton. Nucleus Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Anti-Beta-actin Antibody-HRP labeled - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Beta-actin Antibody-HRP labeled - Images



Western blot analysis of Beta-actin-HRP labeled expression in HeLa (A) whole cell lysates.

Anti-Beta-actin Antibody-HRP labeled - Background

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