

**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	<a href="#">P60709</a>
Other Accession	<a href="#">P60710</a>
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:<<http://www.uniprot.org/citations/25255767>>25255767</a>, PubMed:<<http://www.uniprot.org/citations/29581253>>29581253</a>). Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction (PubMed:<<http://www.uniprot.org/citations/29581253>>29581253</a>). 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:<a href="http://www.uniprot.org/citations/29925947" target="\_blank">29925947</a>). 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:<a href="http://www.uniprot.org/citations/39321809" target="\_blank">39321809</a>, PubMed:<a href="http://www.uniprot.org/citations/38609661" target="\_blank">38609661</a>). 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**

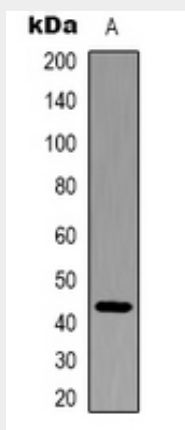
Cytoplasm, cytoskeleton. Nucleus Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

#### **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**

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