

PACO31656

---

## Product Information

**Size:**

50ug

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC, IF

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:500-1:5000,  
IHC:1:20-1:200, IF:1:50-1:200

**Protein Background:**

Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility. In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA. The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs).

**Gene ID:**

ARPC3

**Uniprot**

O15145

**Synonyms:**

Actin-related protein 2/3 complex subunit 3 (Arp2/3 complex 21 kDa subunit) (p21-ARC), ARPC3, ARC21

**Immunogen:**

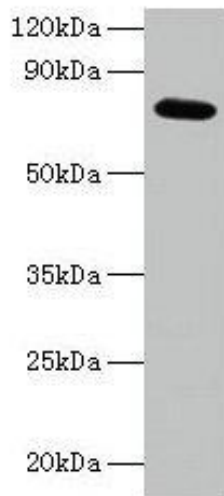
Recombinant Human Actin-related protein 2/3 complex subunit 3 protein (2-175AA).

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

## Product Images

---



### Western blot

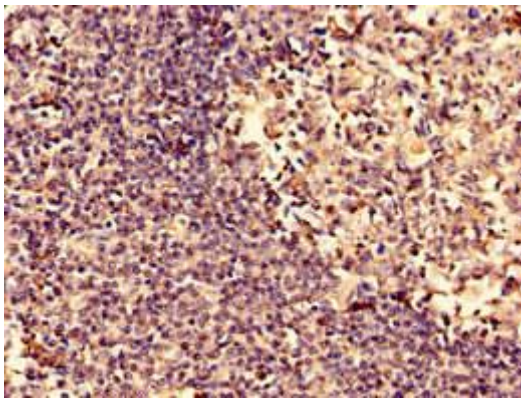
All lanes: ARPC3 antibody at 2 $\mu$ g/ml + 293T whole cell lysate

Secondary

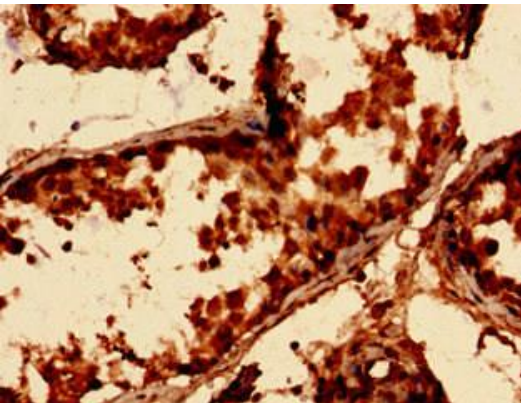
Goat polyclonal to rabbit IgG at 1/15000 dilution

Predicted band size: 21 kDa

Observed band size: 75 kDa



Immunohistochemistry analysis of human tonsil tissue using PACO31656 at dilution of 1:100.



Immunohistochemistry analysis of human testis tissue using PACO31656 at dilution of 1:100.