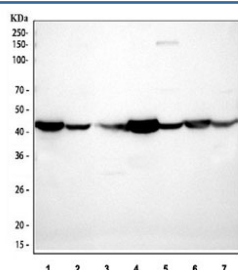


## Anti-Actin Antibody / ACTA1 (R32166)

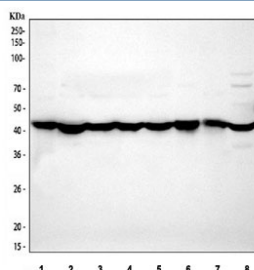
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R32166      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

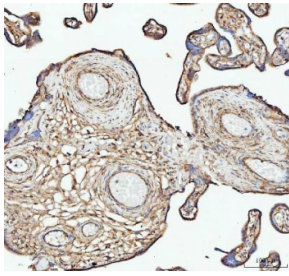
|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                 |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                 |
| <b>Format</b>             | Antigen affinity purified                                         |
| <b>Host</b>               | Rabbit                                                            |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                        |
| <b>Isotype</b>            | Rabbit IgG                                                        |
| <b>Purity</b>             | Antigen affinity                                                  |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                         |
| <b>UniProt</b>            | P68133                                                            |
| <b>Localization</b>       | Cytoplasmic                                                       |
| <b>Applications</b>       | Western Blot : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml |
| <b>Limitations</b>        | This anti-Actin antibody is available for research use only.      |



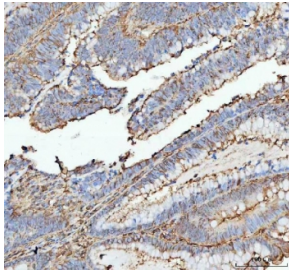
Western blot testing of 1) rat heart, 2) rat brain, 3) rat kidney, 4) mouse heart, 5) mouse brain, 6) mouse spleen and 7) mouse kidney tissue lysate with anti-Actin antibody. Expected molecular weight: 42-45 kDa.



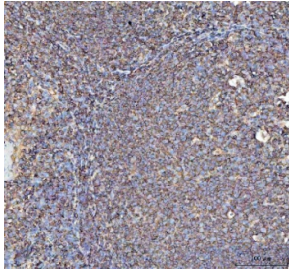
Western blot testing of human 1) placenta, 2) HeLa, 3) HepG2, 4) 293T, 5) A431, 6) U-87 MG, 7) U937 and 8) K562 cell lysate with anti-Actin antibody. Expected molecular weight: 42-45 kDa.



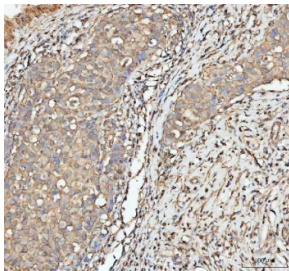
IHC staining of FFPE human placental tissue with anti-Actin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



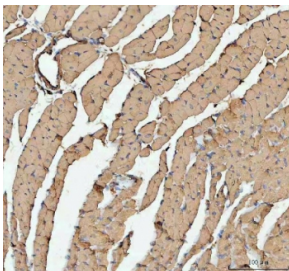
IHC staining of FFPE human colorectal adenocarcinoma tissue with anti-Actin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



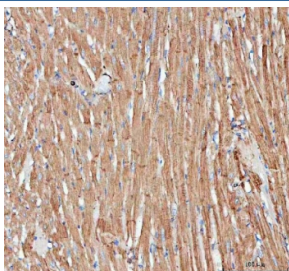
IHC staining of FFPE human tonsil tissue with anti-Actin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human breast cancer tissue with anti-Actin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse heart tissue with anti-Actin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat heart tissue with anti-Actin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

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

## Application Notes

Optimal dilution of the anti-Actin antibody should be determined by the researcher.

## Immunogen

Amino acids ITKQEYDEAGPSIVHRKCF of human ACTA1 were used as the immunogen for the anti-Actin antibody.

## Storage

After reconstitution, the anti-Actin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.