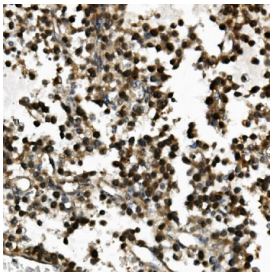
# USP44 Antibody (RQ6018)

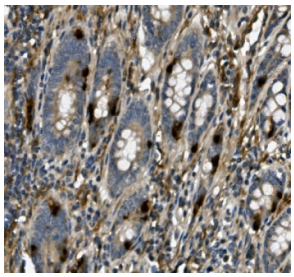
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6018 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

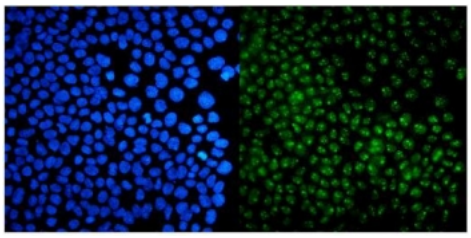
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | Q9H0E7 |
| **Localization** | Nuclear |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunohistochemistry: 1-2ug/ml<br>Immunofluorescence: 2-4ug/ml<br>Flow cytometry: 2-4ug/ml<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This USP44 antibody is available for research use only. |



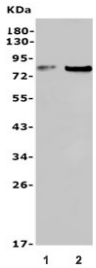
IHC staining of FFPE human testis cancer with USP44 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



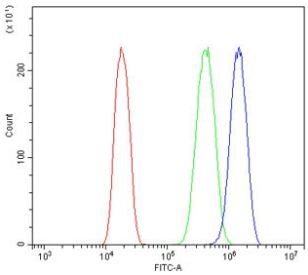
IHC staining of FFPE human rectal cancer with USP44 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human A431 cells with USP44 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.




Western blot testing of 1) rat testis and 2) mouse testis lysate with USP44 antibody. Predicted molecular weight ~81 kDa.




Flow cytometry testing of human A431 cells with USP44 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= USP44 antibody.

## Description

Ubiquitin carboxyl-terminal hydrolase 44 is an enzyme that in humans is encoded by the USP44 gene. It is mapped to 12q22. The protein encoded by this gene is a protease that functions as a deubiquitinating enzyme. The encoded protein is thought to help regulate the spindle assembly checkpoint by preventing early anaphase onset. This protein specifically deubiquitinates CDC20, which stabilizes the anaphase promoting complex/cyclosome.

## Application Notes

Optimal dilution of the USP44 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids R211-S712) was used as the immunogen for the USP44 antibody.

## Storage

After reconstitution, the USP44 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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