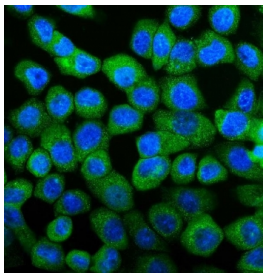
UBE2D1/2/3/4 Antibody (RQ6217)

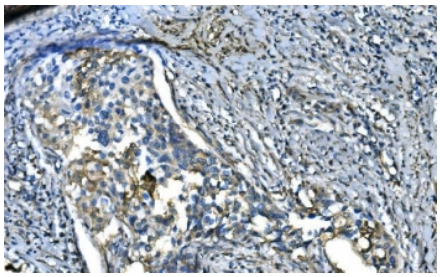
Catalog No.	Formulation	Size
RQ6217	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

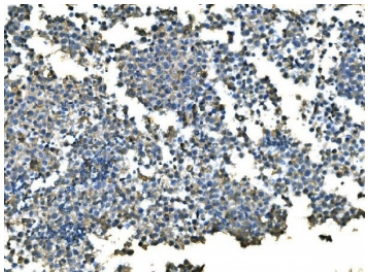
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.0125% sodium azide
UniProt	P51668, P62837, P61077, Q9Y2X8
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This UBE2D1/2/3/4 antibody is available for research use only.



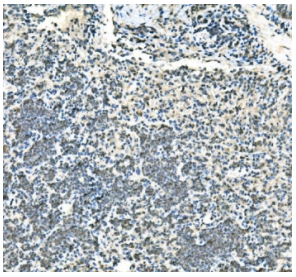
Immunofluorescent staining of FFPE human A431 cells with UBE2D1/2/3/4 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



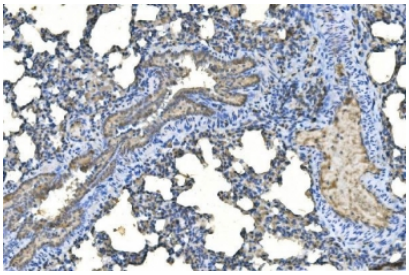
IHC staining of FFPE human bladder cancer with UBE2D1/2/3/4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



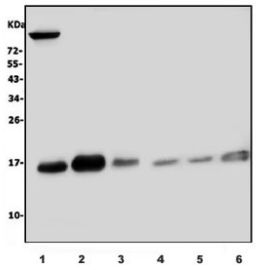
IHC staining of FFPE human testicular cancer with UBE2D1/2/3/4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



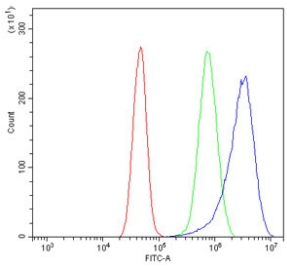
IHC staining of FFPE mouse lung lymph node tissue with UBE2D1/2/3/4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



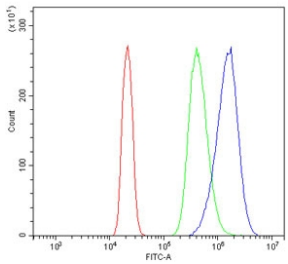
IHC staining of FFPE rat lung tissue with UBE2D1/2/3/4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



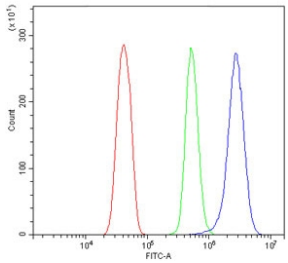
Western blot testing of 1) rat heart, 2) rat lung, 3) rat liver, 4) human HEK293, 5) human Jurkat and 6) human Caco-2 lysate with UBE2D1/2/3/4 antibody. Predicted molecular weight ~17 kDa.



Flow cytometry testing of human A431 cells with UBE2D1/2/3/4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= UBE2D1/2/3/4 antibody.



Flow cytometry testing of mouse RAW264.7 cells with UBE2D1/2/3/4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= UBE2D1/2/3/4 antibody.



Flow cytometry testing of rat RH35 cells with UBE2D1/2/3/4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= UBE2D1/2/3/4 antibody.

Description

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is closely related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the UBE2D1/2/3/4 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids D116-M147) was used as the immunogen for the UBE2D1/2/3/4 antibody.

Storage

After reconstitution, the UBE2D1/2/3/4 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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