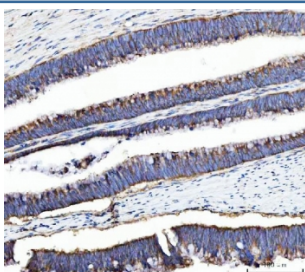


## UBA5 Antibody / UBE1DC1 (RQ7530)

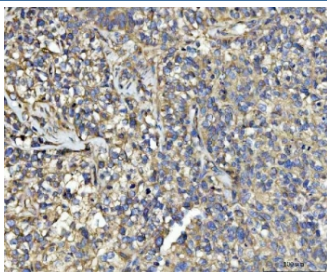
Catalog No.	Formulation	Size
RQ7530	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

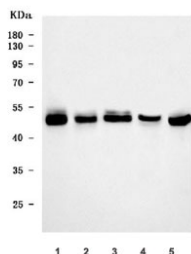
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q9GZZ9
<b>Localization</b>	Cytoplasmic, nuclear
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This UBA5 antibody is available for research use only.



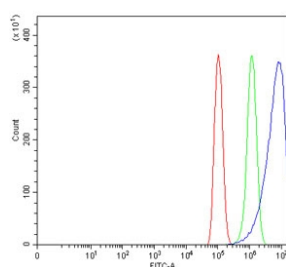
IHC staining of FFPE human colorectal adenocarcinoma tissue with UBA5 antibody.  
HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human breast cancer tissue with UBA5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human Caco-2, 2) human Jurkat, 3) human HeLa, 4) rat pancreas and 5) mouse pancreas tissue lysate with UBA5 antibody. Predicted molecular weight ~45 kDa, commonly observed at 40-50 kDa.



Flow cytometry testing of human PC-3 cells with UBA5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= UBA5 antibody.

## Description

Ubiquitin-like modifier-activating enzyme 5 (UBA5), also called Ubiquitin-activating enzyme E1 domain-containing protein 1 (UBE1DC1), is a protein that in humans is encoded by the UBA5 gene. This gene encodes a member of the E1-like ubiquitin-activating enzyme family. This protein activates ubiquitin-fold modifier 1, a ubiquitin-like post-translational modifier protein, via the formation of a high-energy thioester bond. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been identified on chromosome 1.

## Application Notes

Optimal dilution of the UBA5 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids R37-D389) was used as the immunogen for the UBA5 antibody.

## Storage

After reconstitution, the UBA5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

