

## Anti-UBC12 Antibody (4Q6)

### Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human,Mouse,Rat
Clone:	4Q6
Purification:	Protein G purified

### Applications

- 1. Cell line: Ramos**  
Fixative: 4% Paraformaldehyde  
Permeabilization: 0.1% TritonX-100  
Primary Ab dilution: 1: 200  
Primary incubation condition: 4°C overnight  
Secondary Ab: Goat Anti-Mouse IgG  
Nuclear counter stain: DAPI (Blue)  
Comment: Color green is the positive signal for TMAB-13925
- 2. Blocking buffer: 5% NFDM/TBST**  
Primary Ab dilution: 1:1000  
Primary Ab incubation condition: 4°C overnight  
Secondary Ab: Goat Anti-Mouse IgG H&L (HRP)  
Lysate: 1: HeLa, 2: HEK-293, 3: 4T1, 4: Raw264.7  
Protein loading quantity: 20 µg  
Exposure time: 30 s  
Predicted MW: 21 kDa  
Observed MW: 21 kDa
- 3. Tissue: Human liver cancer**  
Section type: Formalin fixed & Paraffin-embedded section  
Retrieval method: High temperature and high pressure  
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100  
Primary Ab incubation condition: 1 hour at room temperature  
Secondary Ab: SP Kit (Mouse)  
Counter stain: Hematoxylin (Blue)  
Comment: Color brown is the positive signal for TMAB-13925
- 4. Tissue: Rat colon**  
Section type: Formalin fixed & Paraffin-embedded section  
Retrieval method: High temperature and high pressure  
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100  
Primary Ab incubation condition: 1 hour at room temperature  
Secondary Ab: SP Kit (Mouse)  
Counter stain: Hematoxylin (Blue)  
Comment: Color brown is the positive signal for TMAB-13925
- 5. Tissue: Mouse kidney**  
Section type: Formalin fixed & Paraffin-embedded section  
Retrieval method: High temperature and high pressure  
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100  
Primary Ab incubation condition: 1 hour at room temperature

Verified Activity:

## A DRUG SCREENING EXPERT

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Secondary Ab: SP Kit (Mouse)  
Counter stain: Hematoxylin (Blue)  
Comment: Color brown is the positive signal for TMAB-13925

Application: WB,IHC-P,IHC-Fr,ICC/IF,IF

Recommended WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:50-200; IF: 1:100-500

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Gene ID: 9040

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### Research Background

Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX1, but not RBX2, suggests that the RBX1-UBE2M complex neddylates specific target proteins, such as CUL1, CUL2, CUL3 and CUL4. Involved in cell proliferation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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