

## Anti-FBXO45 Polyclonal Antibody

### Product Details

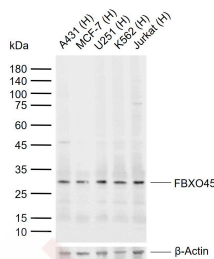
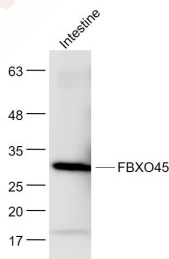
Ig Type: IgG  
Reactivity: Human, Mouse, Rat  
Molecular Weight: Theoretical: 31 kDa. Actual: 31 kDa.  
Purification: Protein A purified

### Applications

1. Sample:  
Intestine (Mouse) Lysate at 40 µg  
Primary: Anti-FBXO45 (TMAB-00663) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 31 kDa  
Observed band size: 31 kDa

Verified Activity:

2. Sample:  
Lane 1: Human A431 cell lysates  
Lane 2: Human MCF-7 cell lysates  
Lane 3: Human U251 cell lysates  
Lane 4: Human K562 cell lysates  
Lane 5: Human Jurkat cell lysates  
Primary: Anti-FBXO45 (TMAB-00663) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 31 kDa  
Observed band size: 30 kDa



Application: WB  
Recommended WB: 1:500-2000

### Properties

Stability & Storage: 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

Immunogen: KLH conjugated synthetic peptide: human FBXO45

Antigen Species: Human

Gene ID: 200933

Uniprot ID: P0C2W1

Synonyms: F box protein 45;fbxo45;FBSP1;hFbxo45;F-box/SPRY domain-containing protein 1;FBX45

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### Research Background

Belonging to the F-box family of proteins, FBXO45 is a 286 amino acid protein that contains one C-terminal F-box domain. F-box proteins are critical components of the SCF (Skp1-CUL-1-F-box protein)-type E3 ubiquitin ligase complex and are involved in substrate recognition and protein recruitment for ubiquitination. They are members of a larger family of proteins that are involved in the regulation of a wide variety of cellular mechanisms, including the cell cycle, the immune response, signaling cascades and developmental processes. They function by targeting proteins, such as cyclins, cyclin-dependent kinase inhibitors, I<sup>°</sup>B- $\alpha$  and  $\beta$ -catenin, for degradation by the proteasome after ubiquitination. Via its F-box domain, FBXO45 can directly interact with Skp1 p19 and CUL-1. FBXO45 has been shown to be an estrogen-induced gene.

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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481