Data Sheet (Cat.No.TMAB-06229)

Anti-FZR1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Horse,Sheep,Zebrafish)
Molecular Weight:	Theoretical: 55 kDa. Actual: 55 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37℃ for 20 min; Incubation: Anti-FZR1/CDC20C Polyclonal Antibody, Unconjugated (TMAB-06229) 1: 200, overnight at 4℃, followed by conjugation to the secondary antibody and DAB staining 2. Protein: intestinal (mouse) lysate at 40 µg; Primary: rabbit Anti-FZR1 (TMAB-06229) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG at 1: 5000; Predicted band size: 55 kD Observed band size: 55 kD 3. Sample: tetis (Mouse) Lysate at 40 µg Primary: Anti-FZR1 (TMAB-06229) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 55 kD 4. Sample: Lane 1: Heart (Mouse) Lysate at 40 µg Lane 2: Testis (Mouse) Lysate at 40 µg Lane 3: Heart (Rat) Lysate at 40 µg Lane 4: Liver (Rat) Lysate at 40 µg Lane 5: Testis (Rat) Lysate at 40 µg Lane 6: U251 (Human) Cell Lysate at 30 µg Lane 7: A431 (Human) Cell Lysate at 30 µg Primary: Anti-FZR1 (TMAB-06229) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 50 kD
Application:	WB,IHC-P,IHC-Fr,IF

Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human FZR1/CDC20C
Antigen Species:	Human
Gene ID:	51343
Uniprot ID:	Q9UM11

Research Background

Fizzy-related protein, known as fzr, is a conserved eukaryotic gene that has been recently identified as a 7WD domain family member and is implicated in cell cycle regulation of Drosophila and yeast. Retroviral overexpression of fzr in B-lymphoma cells reduces tumor formation. Fzr overexpression increases B-lymphoma cell susceptibility to natural killer cell (NK) cytotoxicity. Fzr has been implicated in a new category of genes which suppress B-cell tumorigenesis. Current research suggests a novel role for fzr in the target cell interaction with NK cells. Fzr also negatively regulates the levels of cyclins A, B and B3. Loss of fzr causes progression through an extra division cycle in the epidermis and inhibition of endoreduplication in the salivary gland, in addition to failure of cyclin removal. Conversely, premature fzr overexpression downregulates mitotic cyclins, inhibits mitosis and transforms mitotic cycles into endoreduplication cycles.

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