

## Product datasheet for **TA365539**

### **BUD31 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Raji□231 and PC-3 cell□Mouse heart tissue□Mouse brain tissue□Human testis tissue lysates IHC: 30-150 Positive control: Human ovarian cancer Predicted cell location: Cytoplasm and Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	17 kDa
Gene Name:	BUD31 homolog
Database Link:	<a href="#">Entrez Gene 8896 Human P41223</a>



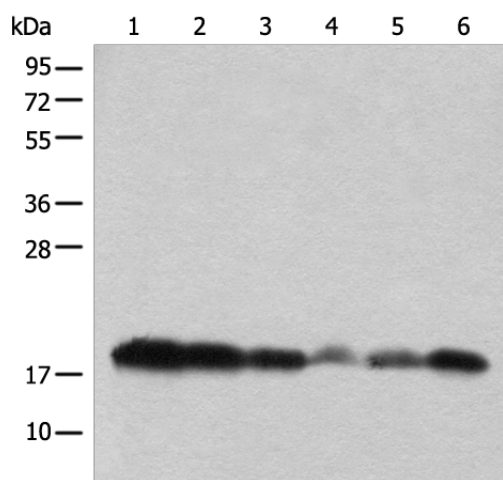
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**Background:**

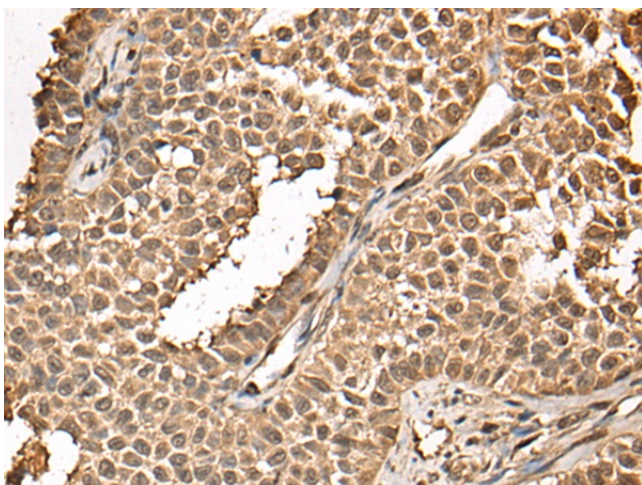
BUD31 (Protein G10 homolog, EDG-2) is a 144 amino acid protein encoded by the human gene BUD31. BUD31 is a nuclear protein that belongs to the BUD31 (G10) family. BUD31 is found on chromosome 7 which is about 158 million bases long, encodes over 1,000 genes and makes up about 5% of the human genome. Chromosome 7 has been linked to osteogenesis imperfecta, Pendred syndrome, lissencephaly, citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the long (q) arm of human chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comform and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia.

**Synonyms:**

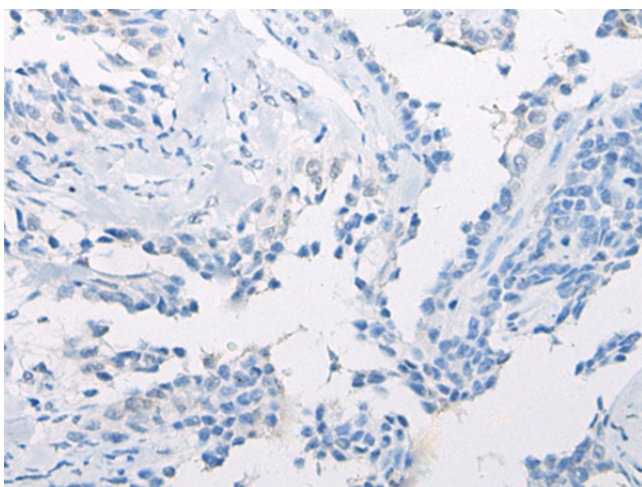
EDG-2; EDG2; fSAP17; G10; MGC111202; YCR063W

**Product images:**


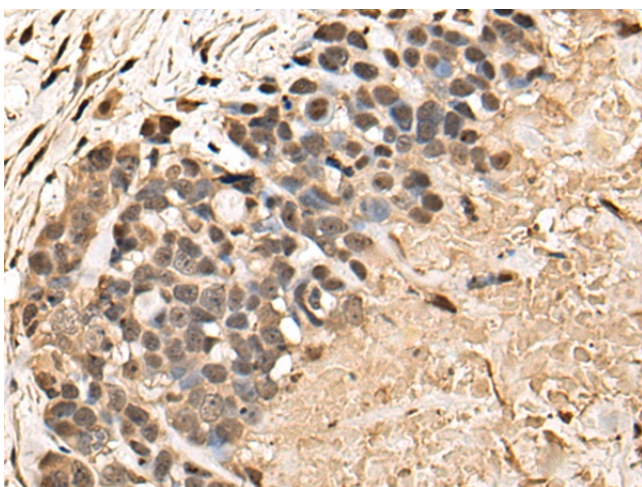
Gel: 12%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-6: Raji  
 231 and PC-3 cell  
 Mouse heart tissue  
 Mouse brain tissue  
 Human testis tissue lysates  
 Primary antibody: TA365539 (BUD31 Antibody) at dilution 1/450  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 10 seconds



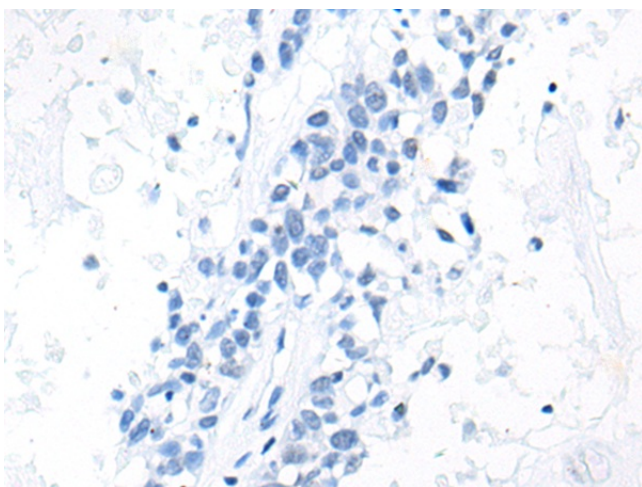
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA365539 (BUD31 Antibody) at dilution 1/45 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA365539 (BUD31 Antibody) at dilution 1/45, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA365539 (BUD31 Antibody) at dilution 1/45 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA365539 (BUD31 Antibody) at dilution 1/45, treated with fusion protein. (Original magnification: ×200)