

**Rabbit Anti-GAGE7/AL4 Polyclonal: RC0324**

**Intended Use:** For Research Use Only

**Description:** This gene belongs to a family of genes that are expressed in a variety of tumors but not in normal tissues, except for the testis. The sequences of the family members are highly related but differ by scattered nucleotide substitutions. The antigenic peptide YYWPRPRRY, which is also encoded by several other family members, is recognized by autologous cytolytic T lymphocytes. GAGE7 belongs to a family of genes that are expressed in a variety of tumors but not in normal tissues, except for the testis and ovary. GAGE7 is expressed in some prostate cancer tissues but not in normal prostate tissue.

**Specifications:**

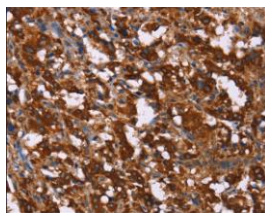
Clone: Polyclonal  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human  
 Immunogen: Synthetic peptide corresponding to residues near the C terminal of human G antigen 12I  
 Localization: Cytoplasm, nucleus  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, WB  
 Package:

Description	Catalog No.	Size
GAGE7/AL4 Polyclonal Concentrated	RC0324	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Testis tissue; K562 cell lysate; K562 cells  
 Concentrated Dilution: 10-50  
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: Overnight @ 4°C  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human thyroid cancer tissue using Anti-GAGE7 using DAB

**References:**

1. Expression of cancer/testis antigens in salivary gland carcinomas with reference to MAGE-A and NY-ESO-1 expression in adenoid cystic carcinoma. Beppu S, et al. Histopathology. Aug;71(2):305-315, 2017.
2. The utility of immunostaining for NUT, GAGE7 and NY-ESO-1 in the diagnosis of spermatocytic seminoma. Kao CS, et al. Histopathology. Jul;65(1):35-44, 2014.
3. Heterogeneous expression of CT10, CT45 and GAGE7 antigens and their prognostic significance in human breast carcinoma. Zhou X, et al. Jpn J Clin Oncol. Mar;43(3):243-50, 2013.