

Rabbit Anti-NUT Polyclonal: RC0167

Intended Use: For Research Use Only

Description: NUT is known to fuse with BRD3 and BRD4 in NUT midline carcinoma (NMC), a rare and aggressive human cancer. In the majority of NMCs (~75%), most of the coding sequence is fused with BRD4 creating chimeric genes that encode BRD-NUT fusion proteins. In other cases, it fuses with BRD3 or an unknown partner gene. This tumor is often termed NUT-variant. To date, NMCs are still frequently undiagnosed or misdiagnosed and there are no effective treatment options.

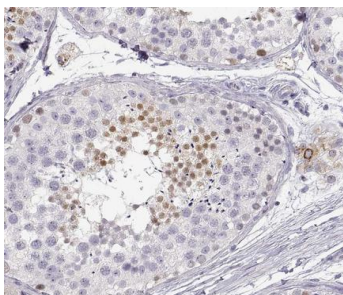
Specifications

Clone: Polyclonal
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human, mouse, rat
 Localization: Nucleus, Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, ICC/IF
 Package:

Description	Catalog No.	Size
NUT Polyclonal Concentrated	RC0167	1 ml

IHC Procedure

Positive Control: Testis
 Concentrated Dilution: 25-100
 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: 30-60 minutes @ RT
 Detection: Refer to the detection system manual
 * Result should be confirmed by an established diagnostic procedure.



FFPE human testis tissue stained with anti-NUT using DAB

References:

1. NUT midline carcinoma of the larynx: an international series and review of the literature. Hellquist H et al. Histopathology. 2017.
2. NUT expression in primary lung tumours. Lund-Iversen M et al. Diagn Pathol. 2015.
3. Primary Pulmonary NUT Midline Carcinoma: Clinical, Radiographic, and Pathologic Characterizations. Sholl LM et al. J Thorac Oncol. 2015.