

NUT (ZR453)

Rabbit monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: A peptide corresponding to human NUT protein
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: NUT (ZR453) Rabbit monoclonal primary antibody detects NUT Protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain NUT Protein.

Localization: Nuclear.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: The term NUT antibody refers to an antibody used to detect a protein called NUT (Nuclear Protein in Testis). The NUT protein is involved in various cellular processes, and its abnormal expression has been associated with certain cancers, particularly NUT carcinoma. NUT carcinoma is a rare and aggressive type of cancer that primarily affects the thoracic and head and neck regions. It is characterized by the presence of a NUT fusion gene, typically resulting from a chromosomal translocation. NUT antibody staining is nuclear with > 90% of cells positive, and the reported sensitivity is 87% and the specificity is 100%. NUT is variably expressed among germ cell tumors, including dysgerminoma (60-90%), immature teratoma (75%), and spermatocytic seminoma (100%).

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Haack H et al: Am J Surg Pathol, 2009, 33:984-991
2. Dickson BC, et al: Am J Surg Pathol. 2018, 42:636-645.

REF Z2810RL/ Z2810RS/ Z2810RT/ Z2810RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)



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(research
use only)



(lot number)



(catalogue
number)



(expiry date)



(temperature
limit)



(consult
Instructions
for Use)