

FOLR1 (ZR480)

Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Synthetic human folate receptor alpha protein
Ig Class: Ig G
Storage: Store at 2-8°C for up to 2 years for concentration form and 18 months for predilute form.

Specification: FOLR1 (ZR480) Rabbit monoclonal primary antibody detects FOLR1 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 FOLR1 protein.

Localization: Cytoplasmic/cell surface

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.
Description: The folate receptor alpha (FOLR1) is a membrane-bound cysteine-rich cell-surface receptor with high affinity for binding and transporting folate (vitamin B9) into cells. FOLR1 binds to folate and facilitates its internalization into cells through receptor-mediated endocytosis or potocytosis. FOLR1 is important in cellular processes, including DNA synthesis and repair. Overexpression of FOLR1 may confer a growth advantage to tumors by increasing folate uptake and/or may affect cell proliferation via alternative cell signaling pathways. FOLR1 levels have been found to be elevated in tumors of epithelial origin compared to normal tissue, including ovarian, breast, brain, lung and colorectal cancers. The tumor specificity of FOLR1 makes it a promising target for diagnosis and treatment strategies.

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. Method M, et al: N Eng J Med. 2023; 389: 2162-2174.
2. Matulonis UA et al: J Clin Oncol. 2023;41(13):2436-2445.
3. Gilbert L, et al: Gynecol Oncol. 2023:170:241-247.

REF Z2850RL-R/ Z2850RS-R/ Z2850RT-R /Z2850RP-R (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)