FOLR1 Protein, Cynomolgus/Rhesus Macaque (209a.a, HEK293, His)

Cat. No.:	HY-P77664
Synonyms:	FOLR; FOLR1; FBP; Folbp1; KB cells FBP; MOv18
Species:	Cynomolgus;Rhesus Macaque
Source:	HEK293
Accession:	NP_001181576 (R25-M233)
Gene ID:	718388
Molecular Weight:	35-45 kDa

PROPERTIES

Biological Activity	Immobilized Cynomolgus/Rhesus macaque FOLR1, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-FOLR1 Antibody, hFc Tag with the EC_{50} of 24.9ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	FOLR1 is a member of the folate receptor (FOLR) family, and the FOLR1 protein is a key mediator of folate uptake, binding to folate and reductive folate derivatives and promoting the entry of 5-methyltetrahydrofolate and folate analogs into the cell interior. FOLR1 is also important for normal embryonic development and normal cell proliferation. Autoantibodies to FRA have been linked to neurodevelopmental disorders, particularly brain folate deficiency, schizophrenia, and autism spectrum disorders. FOLR1 enhances the stability and nuclear translocation of β-catenin through the EGFR/AKT/GSK3β axis, thereby promoting the proliferation and migration of laryngeal squamous cell carcinoma (LSCC). FOLR1 is highly expressed in a variety of tumors and is a potential prognostic and therapeutic target for many cancers[1][2][3].

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