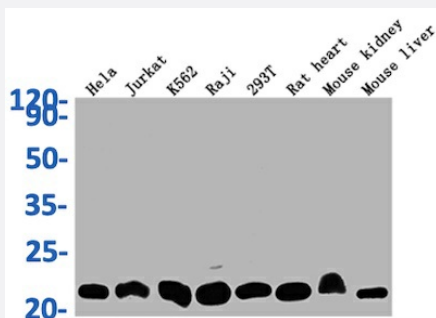


RecomAb™

DHFR recombinant monoclonal antibody, clone 9B2

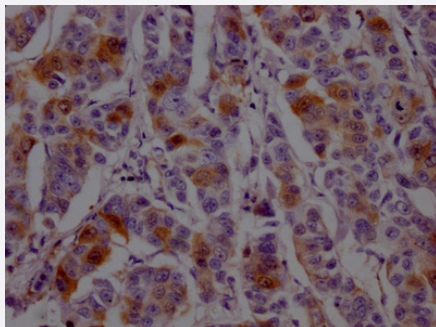
Catalog # RAB04100 Size 100 uL

Applications



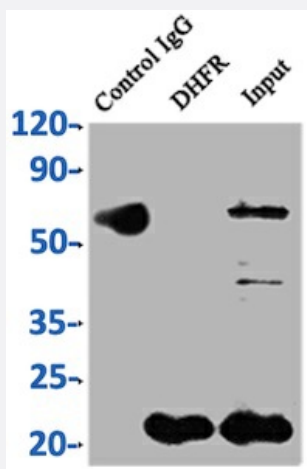
Western Blot

Western Blot analysis of Lane 1: HeLa whole cell lysate; Lane 2: Jurkat whole cell lysate; Lane 3: K562 whole cell lysate; Lane 4: Raji whole cell lysate; Lane 5: 293T whole cell lysate; Lane 6: Rat heart tissue; Lane 7: Mouse kidney tissue; Lane 8: Mouse liver tissue.



Immunohistochemistry

Immunohistochemistry image of DHFR recombinant monoclonal antibody, clone 9B2 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system.



Immunoprecipitation

Immunoprecipitating DHFR in HeLa whole cell lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat DHFR.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human DHFR.
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Immunoprecipitation(1:200-1:1000) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: Hela whole cell lysate; Lane 2: Jurkat whole cell lysate; Lane 3: K562 whole cell lysate; Lane 4: Raji whole cell lysate; Lane 5: 293T whole cell lysate; Lane 6: Rat heart tissue; Lane 7: Mouse kidney tissue; Lane 8: Mouse liver tissue.

- Immunohistochemistry

Immunohistochemistry image of DHFR recombinant monoclonal antibody, clone 9B2 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

- Immunoprecipitation

Immunoprecipitating DHFR in Hela whole cell lysate.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DHFR

Entrez GeneID [1719](#)

Protein Accession# [P00374](#)

Gene Name DHFR

Gene Alias -

Gene Description dihydrofolate reductase

Omim ID [126060](#)

Gene Ontology [Hyperlink](#)

Gene Summary Dihydrofolate reductase converts dihydrofolate into tetrahydrofolate, a methyl group shuttle required for the de novo synthesis of purines, thymidylc acid, and certain amino acids. While the functional dihydrofolate reductase gene has been mapped to chromosome 5, multiple intronless processed pseudogenes or dihydrofolate reductase-like genes have been identified on separate chromosomes. Dihydrofolate reductase deficiency has been linked to megaloblastic anemia. [provided by RefSeq]

Other Designations -

Pathway

- [Biosynthesis of phenylpropanoids](#)
- [Folate biosynthesis](#)
- [Metabolic pathways](#)
- [One carbon pool by folate](#)

Disease

- [Adrenoleukodystrophy](#)
- [Alcoholism](#)
- [Arthritis](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Demyelinating Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Heart Defects](#)
- [Hypertension](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Intracranial Aneurysm](#)
- [Leukemia](#)
- [Lung Neoplasms](#)

- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Metabolic Diseases](#)
- [Microsatellite Instability](#)
- [Musculoskeletal Diseases](#)
- [Neoplasms](#)
- [Neural Tube Defects](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Spinal Dysraphism](#)
- [Thrombosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)