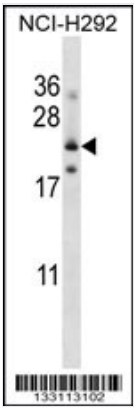
FOLR3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FOLR3, Polyclonal Antibody
Full Product Name	FOLR3 Antibody (N-term)
Product Gene Name	anti-FOLR3 antibody
Product Synonym Names	Folate receptor gamma; FR-gamma; Folate receptor 3; FOLR3
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.33 (lot specific)
Specificity	This FOLR3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-53 amino acids from the N-terminal region of human FOLR3.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	FOLR3 peptide (MBS9220053) is used for blocking the activity of FOLR3 antibody (MBS9212979)
Molecular Weight	27638
Immunogen Sequence Positions	24-53
OMIM	602469
3D Structure	ModBase 3D Structure for P41439
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Applications Tested/Suitable for anti-FOLR3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-FOLR3 antibody	WB~~1:1000
Related Product Information for anti-FOLR3 antibody	This gene encodes a member of the folate receptor (FOLR) family, members of which have a high affinity for folic acid and for several reduced folic acid derivatives, and mediate delivery of 5-methyltetrahydrofolate to the interior of cells. This gene includes two polymorphic variants; the shorter one has two base deletion in the CDS, resulting in a truncated polypeptide, compared to the longer one. Both protein products are constitutively secreted in hematopoietic tissues and are potential serum marker for certain hematopoietic malignancies. The longer protein has a 71% and 79% sequence homology with the FOLR1 and FOLR2 proteins, respectively.

Product References and Citations for anti-FOLR3 antibody	O'Byrne, M.R., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(8):689-694(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) : Boyles, A.L., et al. Genet. Epidemiol. 33(3):247-255(2009) Franke, B., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 85(3):216-226(2009) Hillman, R.T., et al. Genome Biol. 5 (2), R8 (2004) :
Other Notes	Small volumes of anti-FOLR3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FOLR3 purchase	MBS9212979 is an antibody targeting FOLR3. Also known as FOLR3 Antibody (N-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-FOLR3 antibody
FOLR3 Antibody (N-term) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the FOLR3 antibody detected the FOLR3 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FOLR3. It may not necessarily be applicable to this product.

NCBI GI #	112382370
NCBI GeneID	2352
NCBI Accession #	NP_000795.2
UniProt Primary Accession #	P41439
UniProt Secondary Accession #	Q05C14; J3KQ90
UniProt Related Accession #	P41439
GenBank Nucleotide #	NM_000804.2
NCBI Official Full Name	folate receptor gamma
NCBI Official Synonym Full Names	folate receptor 3 (gamma)
NCBI Official Symbol	FOLR3
NCBI Official Synonym Symbols	FR-G; FR-gamma; gamma-hFR
UniProt Protein Name	Folate receptor gamma
UniProt Synonym Protein Names	Folate receptor 3
Protein Family	Folate receptor
UniProt Gene Name	FOLR3
UniProt Synonym Gene Names	FR-gamma
UniProt Entry Name	FOLR3_HUMAN

NCBI Protein Information	folate receptor gamma
NCBI Summary for FOLR3	This gene encodes a member of the folate receptor (FOLR) family, members of which have a high affinity for folic acid and for several reduced folic acid derivatives, and mediate delivery of 5-methyltetrahydrofolate to the interior of cells. This gene includes two polymorphic variants; the shorter one has two base deletion in the CDS, resulting in a truncated polypeptide, compared to the longer one. Both protein products are constitutively secreted in hematopoietic tissues and are potential serum marker for certain hematopoietic malignancies. The longer protein has a 71% and 79% sequence homology with the FOLR1 and FOLR2 proteins, respectively. [provided by RefSeq, Jul 2008]
UniProt Comments for FOLR3	FOLR3: Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate to the interior of cells. Isoform Short does not bind folate. Belongs to the folate receptor family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 11q13 Cellular Component: extrinsic to membrane; membrane; extracellular region Molecular Function: folic acid binding Biological Process: folic acid transport
Research Articles on FOLR3	**1.** The rare alleles of specific single nucleotide polymorphisms within the FOLR1, FOLR2, and FOLR3 genes were statistically significant for association with meningomyelocele.
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