



Anti-GCHFR monoclonal antibody (DCABH-11694)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	GTP cyclohydrolase I feedback regulatory protein binds to and mediates tetrahydrobiopterin inhibition of GTP cyclohydrolase I. The regulatory protein, GCHFR, consists of a homodimer. It is postulated that GCHFR may play a role in regulating phenylalanine metabolism in the liver and in the production of biogenic amine neurotransmitters and nitric oxide.
Immunogen	A synthetic peptide of human GCHFR is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GCHFR GTP cyclohydrolase I feedback regulator [Homo sapiens]
Official Symbol	GCHFR

Synonyms	GCHFR; GTP cyclohydrolase I feedback regulator; GTP cyclohydrolase I feedback regulatory protein; GTP cyclohydrolase 1 feedback regulatory protein; GFRP; HsT16933; P35; MGC138467; MGC138469;
Entrez Gene ID	2644
Protein Refseq	NP_005249
UniProt ID	P30047
Chromosome Location	15q15
Pathway	Metabolism, organism-specific biosystem; Metabolism of nitric oxide, organism-specific biosystem; Tetrahydrobiopterin (BH4) synthesis, recycling, salvage and regulation, organism-specific biosystem; eNOS activation and regulation, organism-specific biosystem;
Function	GTP cyclohydrolase I binding; GTP-dependent protein binding; amino acid binding; enzyme inhibitor activity; protein binding;