



Anti-DAK monoclonal antibody (DCABH-11216)

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

PRODUCT INFORMATION

Antigen Description This gene is a member of the family of dihydroxyacetone kinases, which have a protein structure distinct from other kinases. The product of this gene phosphorylates dihydroxyacetone, and also catalyzes the formation of riboflavin 4,5-phosphate (aka cyclin FMN) from FAD. Several alternatively spliced transcript variants have been identified, but the full-length nature of only one has been determined.

Immunogen A synthetic peptide of human DAK 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 [DAK dihydroxyacetone kinase 2 homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol DAK

Synonyms	DAK; dihydroxyacetone kinase 2 homolog (S. cerevisiae); dihydroxyacetone kinase 2 homolog (yeast); bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing); DKFZP586B1621; NET45; DHA kinase; glycerone kinase; Dha kinase/FMN cyclase; FAD-AMP lyase cyclizing; FAD-AMP lyase cyclic FMN forming; ATP-dependent dihydroxyacetone kinase; MGC5621; DKFZp586B1621;
Entrez Gene ID	26007
Protein Refseq	NP_056348
UniProt ID	Q3LXA3
Chromosome Location	11q12.2
Pathway	Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; RIG-I-like receptor signaling pathway, organism-specific biosystem; RIG-I-like receptor signaling pathway, conserved biosystem;
Function	ATP binding; FAD-AMP lyase (cyclizing) activity; glycerone kinase activity; lyase activity; metal ion binding; nucleotide binding; transferase activity;