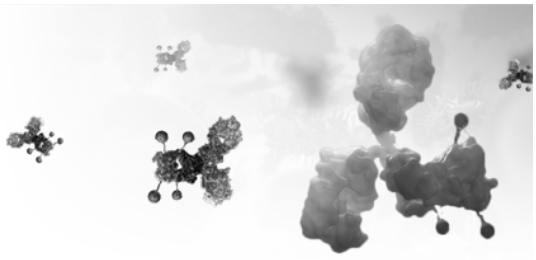

Anti-DAK monoclonal antibody (DCABH-11216)

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

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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;

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