

Anti-Alkyl-DHAP synthase Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

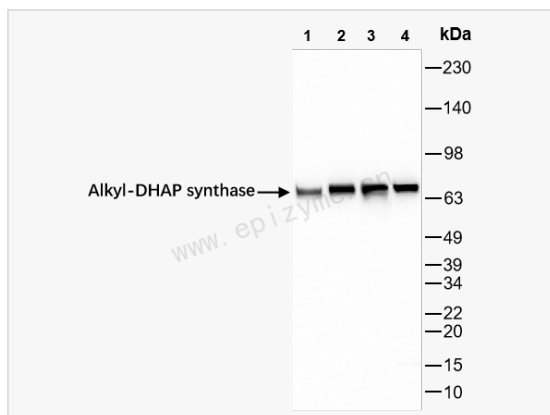
Catalog # R011982

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:3,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	87M37L29
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Alkyl-DHAP synthase
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Alkyl-DHAP synthase Rabbit mAb [87M37L29] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AAG5; AGPS; Alkyl-DHAP synthase; Aging-associated gene 5 protein; Alkylglycerone-phosphate synthase.
Calculated MW	Calculated MW: 73 kDa; Observed MW: 73 kDa
Uniprot ID	O00116
Gene ID	8540
Background	This gene is a member of the FAD-binding oxidoreductase/transferase type 4 family. It encodes a protein that catalyzes the second step of ether lipid biosynthesis in which acyl-dihydroxyacetonephosphate (DHAP) is converted to alkyl-DHAP by the addition of a long chain alcohol and the removal of a long-chain acid anion. The protein is localized to the inner aspect of the peroxisomal membrane and requires FAD as a cofactor. Mutations in this gene have been associated with rhizomelic chondrodysplasia punctata, type 3 and Zellweger syndrome. [provided by RefSeq, Jul 2008]
Cellular Location	Peroxisome membrane.Peroxisome.



Western Blot - Anti-Alkyl-DHAP synthase Rabbit mAb [87M37L29]

All lanes: R011982 at 1:3,000 dilution

Lane 1: Hel (Human erythroLeukemia suspension cell) whole cell lysates

Lane 2: Ball-1 (Human B lymphocyte acute leukemia cell) whole cell lysates

Lane 3: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 4: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

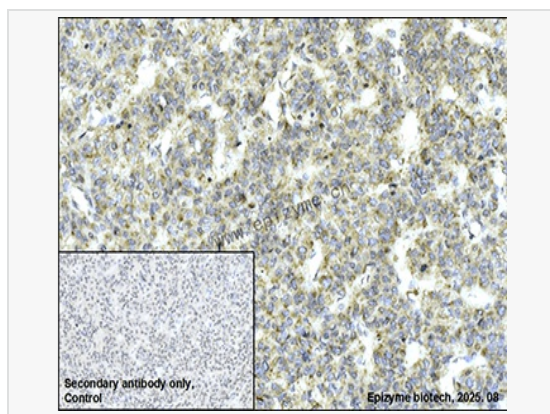
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 73 kDa

Observed band size: 73 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Alkyl-DHAP synthase Rabbit mAb [87M37L29]

Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011982 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.