

For Research Use Only

CoraLite®594-conjugated AK2 Monoclonal antibody



Catalog Number:CL594-66127

Basic Information

Catalog Number: CL594-66127	GenBank Accession Number: BC009405	Purification Method: Protein A purification
Size: 100UL, Concentration: 2000 µg/ml by 204 Bradford method using BSA as the standard;	GeneID (NCBI): adenylate kinase 2	CloneNo.: 3H2C10
Source: Mouse	Full Name: adenylate kinase 2	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 26 kDa	Excitation/Emission maxima wavelengths: 593 nm/614 nm
Immunogen Catalog Number: AG17911	Observed MW: 29 kDa	

Applications

Tested Applications: IF, ELISA	Positive Controls: IF : HepG2 cells,
Species Specificity: human	

Background Information

AK2(Adenylate kinase 2, mitochondrial) is also named as ADK2 and belongs to the adenylate kinase family. It plays a unique role in energy metabolism and energy transfer by regulating the ATP/ADP rate between the cytoplasm matrix and the mitochondria and it is increased expression during adipocyte and B cell differentiation(PMID:23020757). AK2 catalyzes the reversible transfer of a phosphoryl group from ATP to AMP(PMID:19043417). Defects in AK2 are the cause of reticular dysgenesis (RDYS)(PMID:19043416). It has 6 isoforms produced by alternative splicing.

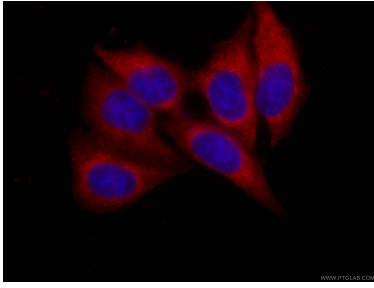
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL594-66127 (AK2 antibody) at dilution of 1:100.