

Datasheet: AHP639

Description:	GOAT ANTI HUMAN MELK (C-TERMINAL)
Specificity:	MELK (C-TERMINAL)
Other names:	KIAA0175
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.5ug/ml - 2ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human MELK kinase were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Peptide sequence KRLVEDILSSCKV corresponding to the C-terminus (CT) of MELK.
External Database Links	UniProt: Q14680 Related reagents

Entrez Gene:[9833](#) MELK [Related reagents](#)

Synonyms KIAA0175

Specificity **Goat anti Human MELK antibody** recognizes human maternal embryonic leucine zipper kinase (MELK), also known as KIAA0175. MELK is a member of the AMPK family, which has several consensus glycosylation sites.

Goat anti Human MELK antibody consistently detects a band of approximately 120-150 kDa in Jurkat and Hela cell lysates, which is larger than the predicted size of ~72 kDa. The activity of Goat anti Human MELK antibody has been confirmed against recombinant MELK protein by western blotting.

References

1. Nagase, T. *et al.* (1996) Prediction of the coding sequences of unidentified human genes. V. The coding sequences of 40 new genes (KIAA0161-KIAA0200) deduced by analysis of cDNA clones from human cell line KG-1. [DNA Res. 3 \(1\): 17-24.](#)
2. Niesler, C.U. *et al.* (2007) The changing AMPK expression profile in differentiating mouse skeletal muscle myoblast cells helps confer increasing resistance to apoptosis. [Exp Physiol. 92 \(1\): 207-17.](#)

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10058 available at: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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'M308803:170815'

Printed on 20 Mar 2018