

Datasheet: AHP1156

Description:	RABBIT ANTI HUMAN DKK1
Specificity:	DKK1
Other names:	DICKKOPF (XENOPUS LAEVIS) HOMOLOGUE 1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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 (1)	▪			10ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic human DKK1 - KLH conjugated.
External Database Links	<p>UniProt: O94907 Related reagents</p> <p>Entrez Gene: 22943 DKK1 Related reagents</p>
RRID	AB_844602
Specificity	<p>Rabbit anti Human DKK1 antibody recognises human Dickkopf (<i>Xenopus laevis</i>) homolog 1 (DKK1), a 35 kDa to 50 kDa member of the dickkopf family. It is expressed in the placenta, prostate and to a lesser extent, in the colon and spleen. DKK1 is secreted when expressed in 293T cells.</p> <p>DKK1 inhibits Wnt signalling in embryonic development, most likely acting upstream of frizzled. It is also thought to contribute to neoplastic processes, inhibit osteoblast differentiation and is associated with the presence of osteolytic bone lesions in patients with multiple myeloma.</p>
Histology Positive Control Tissue	Uterus, endometrium.
References	<ol style="list-style-type: none"> 1. Krupnik, V.E. <i>et al.</i> (1999) Functional and structural diversity of the human Dickkopf gene family. Gene. 238 (2): 301-13. 2. Fedi, P. <i>et al.</i> (1999) Isolation and biochemical characterization of the human Dkk-1 homologue, a novel inhibitor of mammalian Wnt signaling. J Biol Chem. 274 (27): 19465-72. 3. Niehrs C. (2006) Function and biological roles of the Dickkopf family of Wnt modulators. Oncogene. 25:7469-81.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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'M363824:200529'

Printed on 12 Feb 2021

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