

## Datasheet: AHP1156

<b>Description:</b>	RABBIT ANTI HUMAN DKK1
<b>Specificity:</b>	DKK1
<b>Other names:</b>	DICKKOPF (XENOPUS LAEVIS) HOMOLOGUE 1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Synthetic human DKK1 - KLH conjugated.

**External Database  
Links**

**UniProt:**

[O94907](#)   [Related reagents](#)

**Entrez Gene:**

[22943](#)   DKK1   [Related reagents](#)

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**Specificity**

**Rabbit anti Human DKK1 antibody** recognises human Dickkopf (*Xenopus laevis*) 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.

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.

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**Histology Positive  
Control Tissue**

Uterus, endometrium.

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**References**

1. Krupnik, V.E. *et al.* (1999) Functional and structural diversity of the human Dickkopf gene family. [Gene. 238 \(2\): 301-13.](#)
2. Fedi, P. *et al.* (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.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
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.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10303 available at:  
10303: <https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...)   [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...)   [RPE](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (2AB02...)   [Biotin](#)  
Sheep Anti Rabbit IgG (STAR36...)   [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),  
[DyLight@680](#), [DyLight@800](#)

### Recommended Useful Reagents

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

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)  
[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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