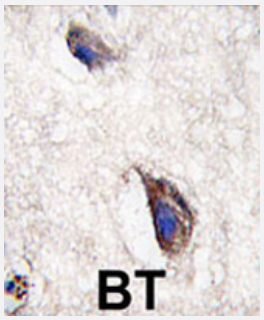
DKK3 polyclonal antibody

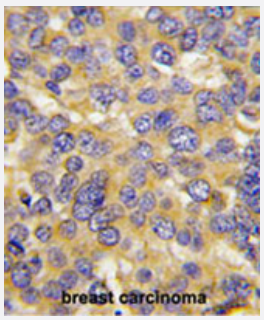
Catalog # PAB3571 Size 400 uL

Applications



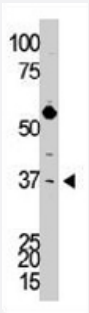
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human brain tissue reacted with DKK3 polyclonal antibody (Cat # PAB3571) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with DKK3 polyclonal antibody (Cat # PAB3571) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.



Western Blot (Cell lysate)

The DKK3 polyclonal antibody (Cat # PAB3571) is used in Western blot to detect DKK3 in HL-60 cell lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DKK3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human DKK3.

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Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with DKK3 polyclonal antibody (Cat # PAB3571) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.

- Western Blot (Cell lysate)

  The DKK3 polyclonal antibody (Cat # PAB3571) is used in Western blot to detect DKK3 in HL-60 cell lysate.

Gene Info — DKK3

Entrez GeneID	27122
Protein Accession#	NP_037385
Gene Name	DKK3
Gene Alias	REIC

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Gene Description	dickkopf homolog 3 (Xenopus laevis)
Omim ID	605416
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is a member of the dickkopf family. The secreted protein contai ns two cysteine rich regions and is involved in embryonic development through its interactions wit h the Wnt signaling pathway. The expression of this gene is decreased in a variety of cancer cell li nes and it may function as a tumor suppressor gene. Alternative splicing results in multiple transcri pt variants encoding the same protein. [provided by RefSeq
Other Designations	RIG-like 5-6|RIG-like 7-1|dickkopf 3|dickkopf homolog 3

Publication Reference

- The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.

  Clark HF, Gurney AL, Abaya E, Baker K, Baldwin D, Brush J, Chen J, Chow B, Chui C, Crowley C, Currell B, Deuel B, Dowd P, Eaton D, Foster J, Grimaldi C, Gu Q, Hass PE, Heldens S, Huang A, Kim HS, Klimowski L, Jin Y, Johnson S, Lee J, Lewis L, Liao D, Mark M, Robbie E, Sanchez C, Schoenfeld J, Seshagiri S, Simmons L, Singh J, Smith V, Stinson J, Vagts A, Vandlen R, Watanabe C, Wieand D, Woods K, Xie MH, Yansura D, Yi S, Yu G, Yuan J, Zhang M, Zhang Z, Goddard A, Wood WI, Godowski P, Gray A.

  Genome Research 2003 Sep; 13(10):2265.

- A REIC gene shows down-regulation in human immortalized cells and human tumor-derived cell lines.

  Tsuji T, Miyazaki M, Sakaguchi M, Inoue Y, Namba M.

  Biochemical and Biophysical Research Communications 2000 Feb; 268(1):20.

- Functional and structural diversity of the human Dickkopf gene family.

  Krupnik VE, Sharp JD, Jiang C, Robison K, Chickering TW, Amaravadi L, Brown DE, Guyot D, Mays G, Leiby K, Chang B, Duong T, Goodearl AD, Gearing DP, Sokol SY, McCarthy SA.

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Disease

- Carcinoma
- Colorectal Neoplasms
- Genetic Predisposition to Disease

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- Kidney Neoplasms
- Polycystic Kidney
- Tobacco Use Disorder

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