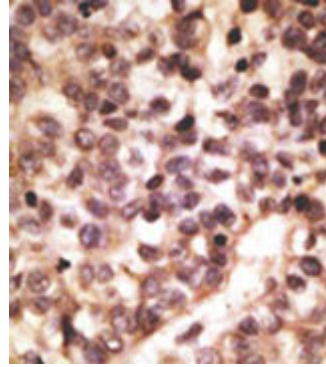


Polyclonal Antibody to DKK3 (C-term) - Purified

Catalog No.:	AP11555PU-N
Quantity:	0.1 mg
Concentration:	0.25 mg/ml
Background:	DKK3, like DKK1, DKK2, and DKK4, possesses an N-terminal signal peptide and 2 conserved cysteine-rich domains, which are separated by a linker region and contain 10 cysteine residues each. The second cysteine region has a putative lipid-binding function that may facilitate WNT/DKK interactions at the plasma membrane. The linker region contains 50 to 55 amino acids in DKK1, DKK2, and DKK4, whereas in DKK3 it contains only 12 amino acids. All DKKs have several potential sites for cleavage by furin-type proteases. Northern blot analysis revealed wide expression of the DKK3 transcript, with highest expression in heart, brain, and spinal cord. In situ hybridization reveals highest expression in mouse brain, eye, and heart.
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human DKK3.
Format:	State: Liquid Ig fraction Purification: Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA 1:1,000. Immunohistochemistry 1:50 - 1:100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects DKK3 at C-term. Species: Human. Other species not tested.
Add. Information:	Molecular weight: 38291 Da
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003). 2. Tsuji, T., et al., Biochem. Biophys. Res. Commun. 268(1):20-24 (2000). 3. Krupnik, V.E., et al., Gene 238(2):301-313 (1999). 4. Kobayashi, K., et al., Gene 282 (1-2), 151-158 (2002).

Pictures:

Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with DKK3 Antibody (C-term) (AP11555PU-N), 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.

