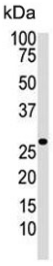
Dickkopf-2 Antibody / DKK2 (F54702)

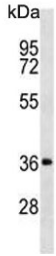
Catalog No.	Formulation	Size
F54702-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54702-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

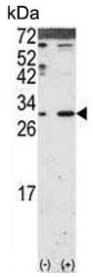
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9UBU2
Applications	Immunohistochemistry (FFPE): 1:25 Western blot: 1:500-1:2000
Limitations	This Dickkopf-2 antibody is available for research use only.



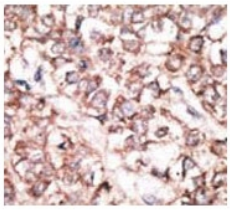
Western blot testing of human Jurkat cell lysate with Dickkopf-2 antibody. Expected molecular weight: 28-35 kDa.



Western blot testing of mouse brain tissue lysate with Dickkopf-2 antibody. Expected molecular weight: 28-35 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Dickkopf-2 antibody. Expected molecular weight: 28-35 kDa.



IHC testing of FFPE human cancer tissue with Dickkopf-2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

The 259-amino acid DKK2 protein, like DKK1, DKK3, and DKK4, possesses an N-terminal signal peptide and 2 conserved cysteine-rich domains, which are separated by a linker region and contain 10 cys residues each. The second cys 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 expression of 4.0- and 4.5-kb DKK2 transcripts in heart, brain, skeletal muscle, and lung. Western blot analysis showed that DKK2 is secreted as a 15- to 17-kD protein. Functional analysis determined that DKK2 does not block Xenopus Wnt8 induction of a secondary axis in frog embryos.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Dickkopf-2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 31-62 from the human protein was used as the immunogen for the Dickkopf-2 antibody.

Storage

Aliquot the Dickkopf-2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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