

Product Datasheet

Dkk-1 Antibody (2A5) - Azide and BSA Free H00022943-M11

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 11

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H00022943-M11

Dkk-1 Antibody (2A5) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2A5
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

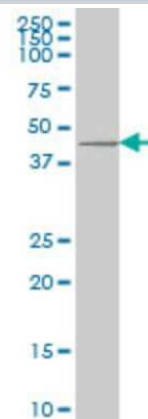
Product Description	
Description	Novus Biologicals Mouse Dkk-1 Antibody (2A5) - Azide and BSA Free (H00022943-M11) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-Dkk-1 Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	22943
Gene Symbol	DKK1
Species	Human, Yeast
Specificity/Sensitivity	DKK1 - dickkopf homolog 1 (<i>Xenopus laevis</i>)
Immunogen	DKK1 (AAH01539.1, 1 a.a. ~ 266 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MMALGAAGATRVSVAMVAAALGGHPLLGVSATLNSVLNSNAIKNLPPPLGGAA GHPGSAVSAAPGILYPGGNKYQTIDNYQPYPCAEDEECGTDEYCASPTRGGD AGVQICLACRKRRCMRHAMCCPGNYCKNGICVSSDQNHFRGEIEETITESF GNDHSTLDGYSRRTTLSSKMYHTTGQEGSVCLRSSDCASGLCCARHFWSKIC KPVLKGGQVCTKHRRKGSGLGLEIFQRCYCGEGLSCRIQKDHHQASNSSRLHT CQRH
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Microarray
Application Notes	Antibody reactive against cell lysate for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA. Immunocytochemistry/Immunofluorescence was reported in scientific literature.

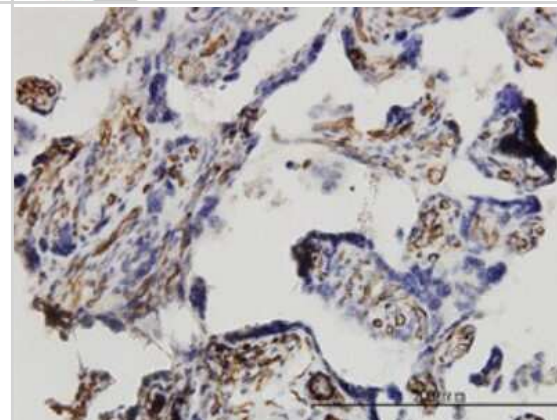


Images

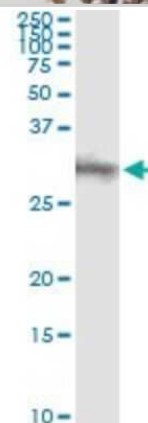
Western Blot: Dkk-1 Antibody (2A5) [H00022943-M11] - Analysis of DKK1 expression in U-2 OS (Cat # L022V1).



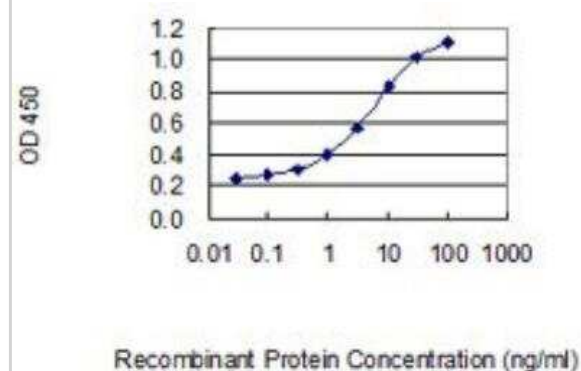
Immunohistochemistry-Paraffin: Dkk-1 Antibody (2A5) [H00022943-M11] - Analysis of monoclonal antibody to DKK1 on formalin-fixed paraffin-embedded human placenta. Antibody concentration 3 ug/ml



Immunoprecipitation: Dkk-1 Antibody (2A5) [H00022943-M11] - Analysis of DKK1 transfected lysate using anti-DKK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with DKK1 rabbit polyclonal antibody.



ELISA: Dkk-1 Antibody (2A5) [H00022943-M11] - Detection limit for recombinant GST tagged DKK1 is 0.1 ng/ml as a capture antibody.



Publications

Joo K, Sung-Hye P, Seung C et al. Molecular subgrouping of medulloblastoma in pediatric population using the NanoString assay and comparison with immunohistochemistry methods. *BMC Cancer*. 2022-11-28 [PMID: 36437460]

T Suda, T Yamashita, H Sunagozaka, H Okada, K Nio, Y Sakai, T Yamashita, E Mizukoshi, M Honda, S Kaneko
Dickkopf-1 Promotes Angiogenesis and is a Biomarker for Hepatic Stem Cell-like Hepatocellular Carcinoma
International Journal of Molecular Sciences, 2022-03-03;23(5):. 2022-03-03 [PMID: 35269944]

Robson JP, Remke M, Kool M et al. Identification of CD24 as a marker of Patched1 deleted medulloblastoma-initiating neural progenitor cells. *PLoS One* 2019-04-05 [PMID: 30657775]

Shinojima N, Nakamura H, Tasaki M et al. A patient with medulloblastoma in its early developmental stage. *J Neurosurg Pediatr* 2014-12-01 [PMID: 25303160]

Yi N, Liao QP, Li ZH et al. RNA interference-mediated targeting of DKK1 gene expression in Ishikawa endometrial carcinoma cells causes increased tumor cell invasion and migration. *ONCOLOGY LETTERS*. 2013-01-01 [PMID: 24137406]

D'Amelio P, Roato I, D'Amico L et al. Bone and bone marrow pro-osteoclastogenic cytokines are up-regulated in osteoporosis fragility fractures. *Osteoporos Int*. 2010-11-30 [PMID: 21116815]

Shin HJ, Rho SB, Jung DC et al. Carbonic anhydrase IX (CA9) modulates tumor-associated cell migration and invasion. *J Cell Sci*. 2011-03-01 [PMID: 21363891]

Macdonald LJ, Sales KJ, Grant V et al. Prokineticin 1 induces Dickkopf 1 expression and regulates cell proliferation and decidualization in the human endometrium. *Mol Hum Reprod*. 2011-05-05 [PMID: 21546446]

Min HS, Lee JY, Kim SK, Park SH. Genetic grouping of medulloblastomas by representative markers in pathologic diagnosis. *Transl Oncol*. 2013-06-01 [PMID: 23730405]

Taylor MD, Northcott PA, Korshunov A et al. Molecular subgroups of medulloblastoma: the current consensus. *Acta Neuropathol* 2012-04-01 [PMID: 22134537]

Shi RY, Yang XR, Shen QJ et al. High expression of Dickkopf-related protein 1 is related to lymphatic metastasis and indicates poor prognosis in intrahepatic cholangiocarcinoma patients after surgery *Cancer* 2012-11-06 [PMID: 23132676] (ICC/IF, WB, Human)



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Products Related to H00022943-M11

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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