Recombinant DGRmAb®

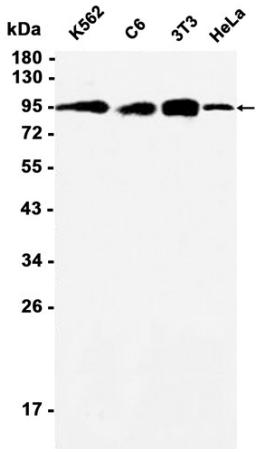
Axin 2 (DGR13699) Rabbit mAb (PBS Only)

db12143-PBS **Package : 10μg 100μg**

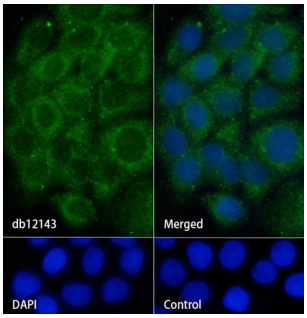
Product Name : Axin 2 (DGR13699) Rabbit mAb (PBS Only)
Cat.No.: db12143-PBS
Synonyms : AXIL; ODCRCS
Application : WB, IHC-P, ICC/IF
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Axin 2
Gene ID	8313
Swiss Prot	Q9Y2T1
Synonyms	AXIL; ODCRCS
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF
Calculated MW	94 kDa
Observed MW	94 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13699
Isotype	IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



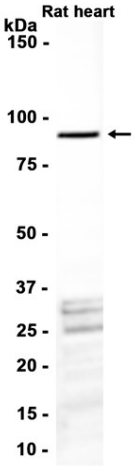
Western blot analysis of extracts from K562, C6, 3T3, HeLa cells using db12143 at 1:1000.



Immunofluorescence analysis of A431 cells labelling Axin 2 with db12143.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12143 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.



Western blot analysis of extracts from Rat heart tissue using db12143 at 1:1000.