Recombinant DGRmAb®

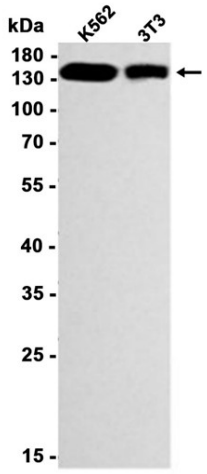
Integrin alpha 5 (DGR16775) Rabbit mAb (PBS Only)

db11971-PBS **Package : 10μg 100μg**

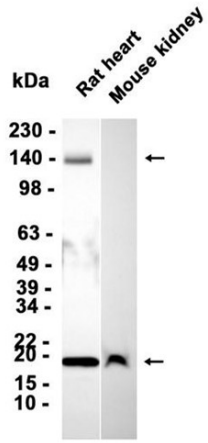
Product Name : Integrin alpha 5 (DGR16775) Rabbit mAb (PBS Only)
Cat.No.: db11971-PBS
Synonyms : FNRA; CD49e; VLA-5; VLA5A
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 5 subunit. This subunit associates with the beta 1 subunit to form a fibronectin receptor. This integrin may promote tumor invasion, and higher expression of this gene may be correlated with shorter survival time in lung cancer patients. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes. [provided by RefSeq, Oct 2015]
Immunogen	A synthetic peptide of human Integrin alpha 5
Gene ID	3678
Swiss Prot	P08648
Synonyms	FNRA; CD49e; VLA-5; VLA5A
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	115 kDa
Observed MW	150, 19 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR16775
Isotype	IgG
Purity	Affinity Purification

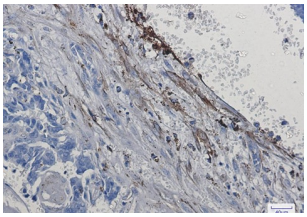
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



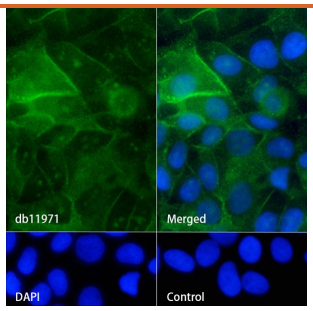
Western blot analysis of extracts from K562, 3T3 cells using db11971 at 1:1000.



Western blot analysis of extracts from Rat heart, Mouse kidney tissues using db11971 at 1:3000.



Immunohistochemical analysis of paraffin-embedded human breast cancer using db11971 antibody.



Immunofluorescence analysis of MCF-7 cells labelling Integrin alpha 5 with db11971.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 db11971 (1:50) 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.