Recombinant DGRmAb®

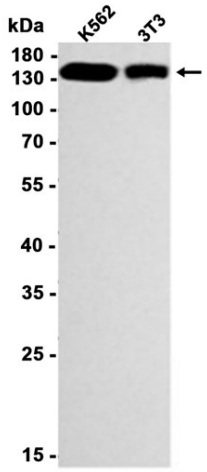
Integrin alpha 5 (DGR16775) Rabbit mAb

db11971 **Package : 10μL 20μL 50μL 100μL**

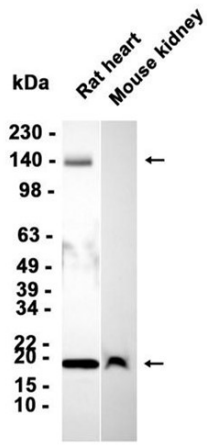
Product Name : Integrin alpha 5 (DGR16775) Rabbit mAb
Cat.No.: db11971
Synonyms : FNRA; CD49e; VLA-5; VLA5A
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:100-1:200 ICC/IF: 1:50 FC: 1:20 IP: 1:10-1:100
Calculated MW	115 kDa
Observed MW	150, 19 kDa
Host species	Rabbit

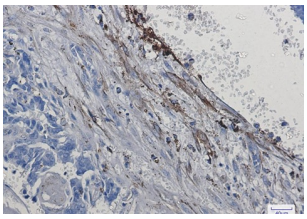
Clonality	Monoclonal
Clonality No.	DGR16775
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



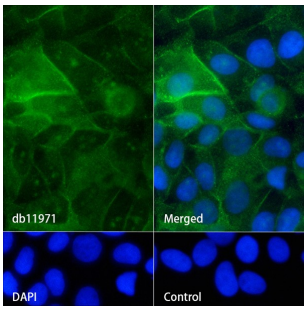
Western blot analysis of extracts from K562, 3T3 cells using db11971 at 1:1000.



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.