Recombinant DGRmAb®

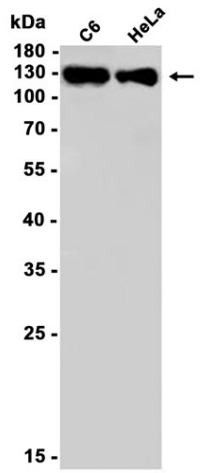
Integrin alpha V (DGR11605) Rabbit mAb

db11962 **Package : 10μL 20μL 50μL 100μL**

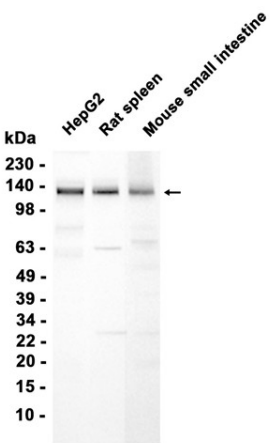
Product Name : Integrin alpha V (DGR11605) Rabbit mAb
Cat.No.: db11962
Synonyms : CD51; MSK8; VNRA; VTNR
Application : WB, IHC-P, ICC/IF, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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 V subunit. This subunit associates with beta 1, beta 3, beta 5, beta 6 and beta 8 subunits. The heterodimer consisting of alpha V and beta 3 subunits is also known as the vitronectin receptor. This integrin may regulate angiogenesis and cancer progression. Alternative splicing results in multiple transcript variants. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes. [provided by RefSeq, Oct 2015]
Immunogen	Recombinant protein of human Integrin alpha V
Gene ID	3685
Swiss Prot	P06756
Synonyms	CD51; MSK8; VNRA; VTNR
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:200-1:500 ICC/IF: 1:200-1:500 IP: 1:20-1:50
Calculated MW	116 kDa
Observed MW	130 kDa
Host species	Rabbit

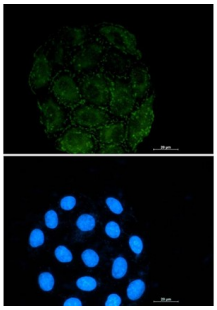
Clonality	Monoclonal
Clonality No.	DGR11605
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



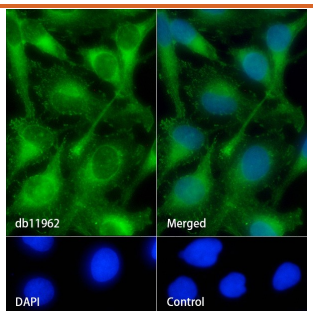
Western blot analysis of extracts from C6 and HeLa cells using db11962 at 1:1000.



Western blot analysis of extracts from HepG2 cells, Rat spleen, and Mouse small intestine tissues using db11962 at 1:2000.



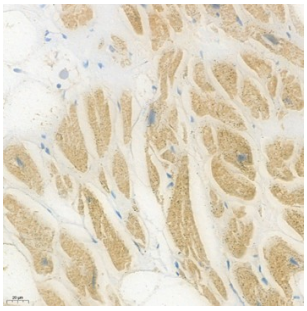
Immunofluorescent analysis of A549 cells using db11962 antibody (green), and DAPI (blue).



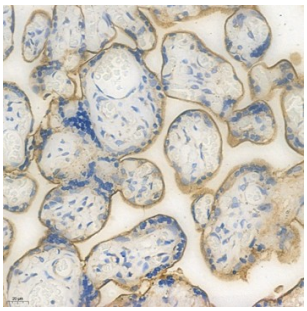
Immunofluorescence analysis of HeLa cells labelling Integrin alpha V with db11962.

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 db11962 (1:200) 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.

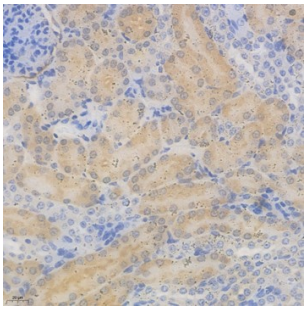
Control: Secondary antibody only.



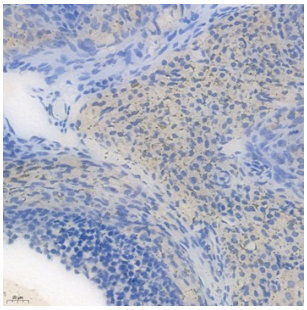
Immunohistochemical analysis of paraffin-embedded human heart tissue labeling Integrin alpha V with db11962. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human placental tissue labeling Integrin alpha V with db11962. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse renal tissue labeling Integrin alpha V with db11962. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat ovarian tissue labeling Integrin alpha V with db11962. Counter stained with Hematoxylin.