Recombinant DGRmAb®

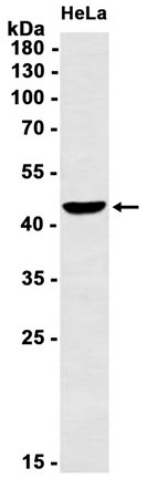
Wnt5a (DGR11944) Rabbit mAb

db12118 **Package : 10μL 20μL 50μL 100μL**

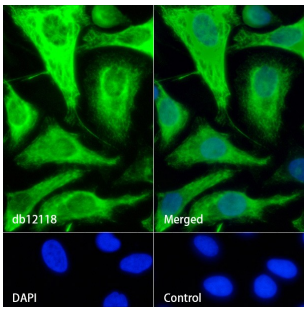
Product Name : Wnt5a (DGR11944) Rabbit mAb
Cat.No.: db12118
Synonyms : hWNT5A
Application : WB, ICC/IF, FC
Reactivity : Human
Host species : Rabbit

Background	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]
Immunogen	A synthetic peptide of human Wnt5a
Gene ID	7474
Swiss Prot	P41221
Synonyms	hWNT5A
Reactivity	Human
Application	WB, ICC/IF, FC
Recommended dilution	WB: 1:1000 ICC/IF: 1:50-1:100 FC: 1:20
Calculated MW	42 kDa
Observed MW	45 kDa
Host species	Rabbit
Clonality	Monoclonal

Clonality No.	DGR11944
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 HeLa cells using db12118 at 1:500.



Immunofluorescence analysis of HeLa cells labelling Wnt5a with db12118.

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 db12118 (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.