Recombinant DGRmAb®

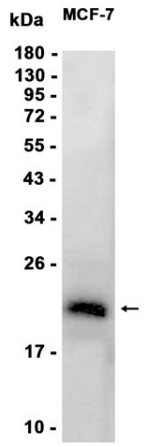
Claudin 3 (DGR14058) Rabbit mAb (PBS Only)

db13582-PBS **Package : 10μg 100μg**

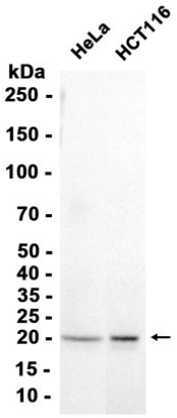
Product Name : Claudin 3 (DGR14058) Rabbit mAb (PBS Only)
Cat.No.: db13582-PBS
Synonyms : RVP1; HRVP1; C7orf1; CPE-R2; CPETR2
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

Background	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Claudin 3
Gene ID	1365
Swiss Prot	O15551
Synonyms	RVP1; HRVP1; C7orf1; CPE-R2; CPETR2
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	23 kDa
Observed MW	20 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14058
Isotype	IgG

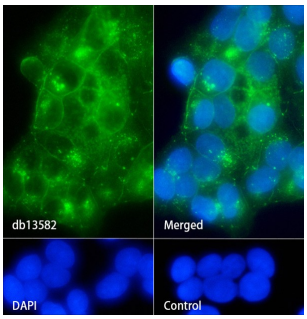
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from MCF-7 cells using db13582 at 1:1000.



Western blot analysis of extracts from HeLa, HCT116 cells using db13582 at 1:1000.



Immunofluorescence analysis of MCF-7 cells labelling Claudin 3 with db13582.

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 db13582 (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.