Recombinant DGRmAb®

alpha smooth muscle Actin (DGR13877) Rabbit mAb (AF647)

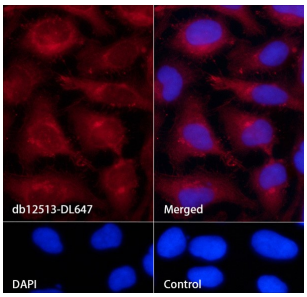
db12513-DL647 **Package : 100μL**

Product Name : alpha smooth muscle Actin (DGR13877) Rabbit mAb (AF647)
Cat.No.: db12513-DL647
Synonyms : ACTSA; α-SMA
Application : IHC-P, ICC/IF, FC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a smooth muscle actin that is involved in vascular contractility and blood pressure homeostasis. Mutations in this gene cause a variety of vascular diseases, such as thoracic aortic disease, coronary artery disease, stroke, and Moyamoya disease, as well as multisystemic smooth muscle dysfunction syndrome. [provided by RefSeq, Sep 2017]
Immunogen	A synthetic peptide of human alpha smooth muscle Actin
Gene ID	59
Swiss Prot	P62736
Synonyms	ACTSA; α-SMA
Reactivity	Human, Mouse, Rat
Application	IHC-P, ICC/IF, FC
Recommended dilution	ICC/IF: 1:200
Calculated MW	42 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13877
Isotype	IgG
Purity	Affinity Purification
Conjugation	AF647

Concentration 1 mg/mL

Storage Stability Store at -20°C. Avoid exposure to light. Supplied in PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HeLa cells labelling alpha smooth muscle Actin with db12513-DL647.

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 db12513-DL647 (1:200， shown in red) at room temprature for 1h. Nuclear DNA was labeled in blue with DAPI.

Control: DAPI only.