

Recombinant

DGRmAb®

alpha smooth muscle Actin (DGR13877) Rabbit mAb (AF488)

db12513-DL488

Package : 100µL

Product Name : alpha smooth muscle Actin (DGR13877) Rabbit mAb (AF488)**Cat.No.:** db12513-DL488**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

SynonymsACTSA; 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

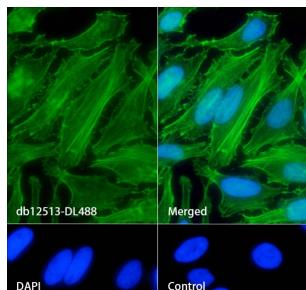
Affinity Purification

Conjugation

AF488

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-DL488.

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 db12513-DL488 (1:200, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: DAPI only.