

---

## MyoGEF Rabbit pAb

Catalog Number: bs-7756R

Target Protein: MyoGEF

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Dog, Horse)

Predicted MW: 89 kDa

Entrez Gene: 55200

Swiss Prot: Q3KR16

Source: KLH conjugated synthetic peptide derived from human MyoGEF: 451-550/790.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** MyoGEF functions as a guanine nucleotide exchange factor activating the small GTPase RHOA, which, in turn, induces myosin filament formation. It activates RHOG but not activate RAC1, or to a much lower extent than RHOA and RHOG. Part of a functional unit, involving MyoGEF, MYH10 and RHOA, at the cleavage furrow to advance furrow ingression during cytokinesis. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with EZR, required for normal macropinocytosis.

### PRODUCT SPECIFIC PUBLICATIONS

---

[IF=2.788] Jin, Zhengyun. et al. Esophageal striated muscle hypertrophy and muscle fiber type transformation in MSTN knockout pigs.

TRANSGENIC RES. 2022 May;;1-9 WB ; Pig . 35570234