bs-13159R **[Primary Antibody]**

phospho-FHOD1 (Thr1141) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 29109 **SWISS:** Q9Y613

Target: FHOD1 (Thr1141)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human FHOD1 around the phosphorylation site of Thr1141: RR(p-T)LK.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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: The limb deformity (ld) locus influences normal limb development and gives rise to alternative mRNAs that can translate into a family of protein products known as formins. Formins play a crucial role in cytoskeletal reorganization by influencing actin filament assembly. The temporal genetic hierarchy influencing normal limb development can deregulate and mediate mammalian developmental syndromes. FHOD1 induces the formation of and associates with bundled actin stress fibers in response to the activity of the Rho-ROCK cascade. It influences several cellular activities including cell migration, cytoskeletal arrangement, signal transduction and gene expression.

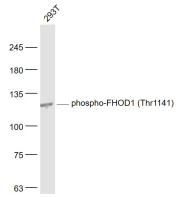
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

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

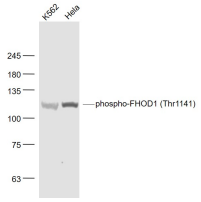
Predicted MW.: 126 kDa

Subcellular Location: Cytoplasm

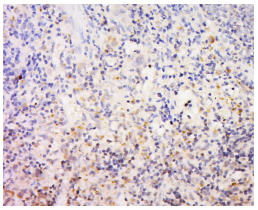
VALIDATION IMAGES



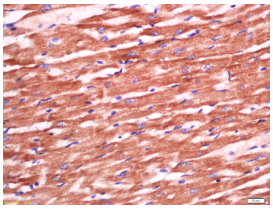
Sample: 293T(Human) Cell Lysate at 30 ug Primary: Anti- phospho-FHOD1 (Thr1141) (bs-13159R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 126 kD Observed band size: 126 kD



Sample: K562(Human) Cell Lysate at 30 ug Hela(Human) Cell Lysate at 30 ug Primary: Anti-phospho-FHOD1 (Thr1141) (bs-13159R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 126 kD Observed band size: 126 kD



Tissue/cell: Rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-phospho-FHOD1 Polyclonal Antibody, Unconjugated(bs-13159R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat heart tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (

0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-FHOD1 Polyclonal Antibody, Unconjugated(bs-13159R) 1:600, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining