bs-13237R **[Primary Antibody]**

FYCO1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 79443 **SWISS:** Q9BQS8

Target: FYCO1

Immunogen: KLH conjugated synthetic peptide derived from human FYCO1: 1051-1150/1478.

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: FYCO1 is a 1,478 amino acid protein that contains one RUN domain, one GOLD domain and one FYVE-type zinc finger. Expressed in heart and skeletal muscle, FYCO1 exists as multiple alternatively spliced isoforms and may play a role in transcriptional regulation events. In response to DNA damage, FYCO1 is subject to phosphorylation, probably by ATM or ATR. The gene encoding FYCO1 maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth Disease are a few of the numerous genetic diseases associated with chromosome 3.

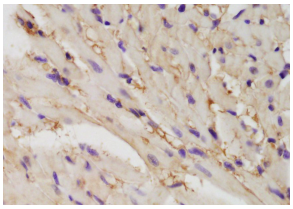
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse (predicted: Human, Rat, Pig, Dog)

Predicted MW.: 167 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Tissue/cell: mouse 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-FYCO1 Polyclonal Antibody, Unconjugated(bs-13237R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=6.1]** Weiyi Zhang. et al. A novel antimycin analogue antimycin A2c, derived from marine Streptomyces sp., suppresses HeLa cells via disrupting mitochondrial function and depleting HPV oncoproteins E6/E7. LIFE SCI. 2023 Oct;330:121998 WB ;Human. 37536615