

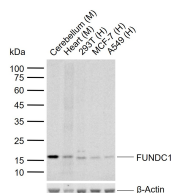
bs-13227R**[Primary Antibody]****FUNDC1 Rabbit pAb****BioSS**
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— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**SWISS:** Q9DB70**Target:** FUNDC1**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 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:** FUNDC1 is a 155 amino acid protein belonging to the FUN14 family. The gene encoding FUNDC1 maps to human chromosome Xp11.3 and mouse chromosome X A1.2. The X and Y chromosomes are the human sex chromosomes. Chromosome X consists of about 153 million base pairs and nearly 1,000 genes. The combination of an X and Y chromosome lead to normal male development while two copies of X lead to normal female development. More than one copy of the X chromosome with a Y chromosome causes Klinefelter's syndrome. A single copy of X alone leads to Turner's syndrome. More than 2 copies of the X chromosome, in the absence of a Y chromosome, is known as Triple X syndrome. Color blindness, hemophilia, and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently as males carry a single X chromosome.**Applications:** **WB** (1:300-800)**ICC/IF** (1:100-500)**ELISA** (1:5000-10000)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 17 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Cerebellum tissue lysates

Lane 2: Mouse Heart tissue lysates Lane 3:

Human 293T cell lysates Lane 4: Human MCF-7

cell lysates Lane 5: Human A549 cell lysates

Primary: Anti-FUNDC1 (bs-13227R) at 1/800

dilution Secondary: IRDye800CW Goat Anti-

Rabbit IgG at 1/20000 dilution Predicted band

size: 17 kDa Observed band size: 17 kDa

— SELECTED CITATIONS —

- **[IF=9.8]** Jian Li. et al. FUNDC1-mediated mitophagy triggered by mitochondrial ROS is partially involved in 1-nitropyrene-evoked placental progesterone synthesis inhibition and intrauterine growth retardation in mice. SCI TOTAL ENVIRON. 2024 Jan;908:168383 WB ;Human. 37951264
- **[IF=8.2]** Sen Zeng. et al. Role of OGDH in Atophagy-IRF3-IFN-β pathway during classical swine fever virus infection. INT J BIOL MACROMOL. 2023 Sep;249:126443 WB ;Pig. 37604413
- **[IF=4.011]** Xu G et al. Fundc1 is necessary for proper body axis formation during embryogenesis in zebrafish. Sci Rep. 2019 Dec 11;9(1):18910. WB ;grass carp&Human. 31827208

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=3.3]** Tang Lihua. et al. FUNDC1 predicts Poor Prognosis and promotes Progression and Chemoresistance in Endometrial Carcinoma. J CANCER. 2024 Oct;15(20):6490-6504 IHC ;Human. 10.7150/jca.96877