bs-6703R **[Primary Antibody]**

RAB7A Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 7879 **SWISS:** P51149

Target: RAB7A

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: Members of the RAB family of RAS related GTP binding proteins are important regulators of vesicular transport and are located in specific intracellular compartments. RAB7 has been localized to late endosomes and shown to be important in the late endocytic pathway. In addition, it has been shown to have a fundamental role in the cellular vacuolation induced by the cytotoxin VacA of Helicobacter pylori.

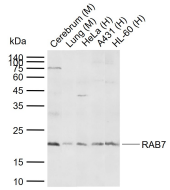
Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: Human, Mouse (predicted: Rat)

Predicted MW.: 23 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Lung tissue lysates Lane 3: Human HeLa cell lysates Lane 4: Human A431 cell lysates Lane 5: Human HL-60 cell lysates
Primary: Anti-RAB7 (bs-6703R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kDa
Observed band size: 21 kDa

SELECTED CITATIONS

- **[IF=25.841]** Xuefeng Fei. et al. Neddylation of Coro1a determines the fate of multivesicular bodies and biogenesis of extracellular vesicles. J Extracell Vesicles. 2021 Oct;10(12):e12153 IF ;Human. 34623756
- **[IF=17.521]** Feiyang Deng. et al. Bile Acid Conjugation on Solid Nanoparticles Enhances ASBT-Mediated Endocytosis and Chylomicron Pathway but Weakens the Transcytosis by Inducing Transport Flow in a Cellular Negative Feedback Loop. Advanced Science. 2022 Jun 02 IF ;Human. 35652273
- **[IF=8]** Dixit, Saurabh, et al. "Caveolin-mediated endocytosis of the Chlamydia M278 outer membrane peptide encapsulated in poly (lactic acid)-Poly (ethylene glycol) nanoparticles by mouse primary dendritic cells enhances specific immune effectors mediated by MHC class II and CD4+ T cells." Biomaterials (2017). ICC ;="Mouse". 29324305
- **[IF=7.546]** Luo R et al. Clostridium perfringens beta2 toxin induced in vitro oxidative damage and its toxic assessment in porcine small intestinal epithelial cell lines. Gene. 2020 Oct 30;759:144999. WB ;Rat. 32948194
- **[IF=7.546]** Zixuan Liu. et al. Zinc oxide nanoparticles effectively regulate autophagic cell death by activating

autophagosome formation and interfering with their maturation. Part Fibre Toxicol. 2020 Dec;17(1):1-17 WB ;Rat. 32948194