## bs-17485R

## [ Primary Antibody ]

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# SIDT2 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 51092 SWISS: Q8NBJ9

Target: SIDT2

**Immunogen:** KLH conjugated synthetic peptide derived from human SIDT2:

201-300/832. < Extracellular >

**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:** SID-1 and SID-2 belong to the systemic RNA interference defective-1 (SID1) family of transmembrane proteins. SID-1, originally identified in C. elegans, is an 827 amino acid long protein. It localizes to the cell membrane and contains eleven transmembrane domains. This suggests that SID-1 possibly functions as a channel protein. The overexpression of SID-1 enhances double stranded RNA (dsRNA) uptake in pancreatic ductal adenocarcinoma cells. SID-2, also first identified in C. elegans, is an 832 amino acid long protein with multiple transmembrane domains. At least two isoforms exist for SID-2 due to alternative splicing. Isoform 2 contains an additional 21 amino acids after residue 387 and has an alternate sequence that is 8 amino acids shorter for residues 814 to 832 of isoform 1.

Applications: WB (1:500-2000)

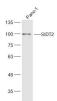
Reactivity: Human (predicted: Mouse,

Rat, Rabbit, Pig, Sheep, Cow, Zebrafish, Dog, Horse)

Predicted 93 kDa

Subcellular Location: Cell membrane

#### VALIDATION IMAGES



Sample: Panc-1(Human) Cell Lysate at 30 ug Primary: Anti- SIDT2 (bs-17485R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 93 kD Observed band size: 98 kD

### - SELECTED CITATIONS -

• [IF=6.5] Guanghao Piao, et al. NIR-II Imaging Guided Accurate Identification of Paraspinal Muscle Degeneration Through Targeting the Lysosomal Membrane Protein Sidt2. INT J NANOMED. 2025 Jun; 20:7743-7762; MOUSE. 40551976