bs-12305R **[Primary Antibody]**

USE1 Rabbit pAb

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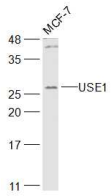
DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Polyclonal
GeneID: 55850
Target: USE1
Immunogen: KLH conjugated synthetic peptide derived from human USE1: 151-259/259.
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: In eukaryotic cells, the Golgi apparatus receives newly synthesized proteins from the endoplasmic reticulum (ER) and, after covalent modification, delivers them to their destination in the cell. For membrane-directed proteins this process is believed to be carried out via vesicular transport. Correct vesicular transport is determined by specific pairing of vesicle-associated SNAREs (v-SNAREs) with those on the target membrane (t-SNAREs). Unconventional SNARE in the ER 1, also known as USE1 or protein p31, is a 259 amino acid t-SNARE that forms a larger complex with ZW10, RINT-1 and Syntaxin 18. Upon Mg2+-AP treatment in the presence of NSF and ?SNAP, ZW10, RINT-1 and USE1 dissociate from Syntaxin 18. USE1 is a single-pass type IV membrane protein that is localized to the endoplasmic reticulum membrane. Three named isoforms exist for USE1 as a result of alternative splicing events.

Applications: **WB** (1:500-2000)
Reactivity: Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Dog, Horse)
Predicted MW: 29 kDa
Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: MCF-7(Human) Cell Lysate at 30 ug
Primary: Anti-USE1 (bs-12305R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kD Observed band size: 28 kD

SELECTED CITATIONS

- **[IF=2.5]** Hao Gao. et al. Electroacupuncture treatment improves postoperative ileus by inhibiting the Th1 cell-mediated inflammatory response through the vagus nerve. ACUPUNCT MED. ;(): IHC ;Mouse. 38813841