SAE1 (L247) polyclonal antibody

Catalog: BS1457 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Proteolytic degradation by the ubiquitin (Ub) system is essential for normal cell cycle progression, cellular differentiation and stress responses. Proteins conjugated to Ub are marked for progressive degradation by the 26S Proteosome. Ubiquitin-like 1-activating enzyme E1A, also designated SUMO-1-activating enzyme or AOS-1, belongs to the ubiquitin-activating E1 family of proteins and plays an important role in the first step of the UBL1 conjugation pathway. AOS-1, which is a dimeric enzyme, functions as a UBLI E1 ligase, mediating the ATP-dependent activation of UBL1. It can bind with UBLE1A and UBLE1B to form a heterodimer which can bind UBL1.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 38 kDa

Swiss-Prot:

Q9UBE0

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

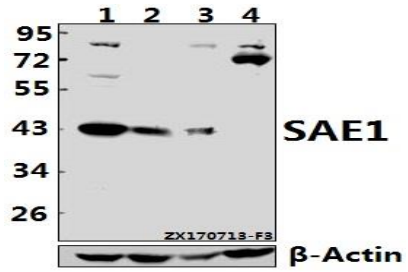
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

AOS1 (L247) polyclonal antibody detects endogenous levels of AOS1 protein.

DATA:



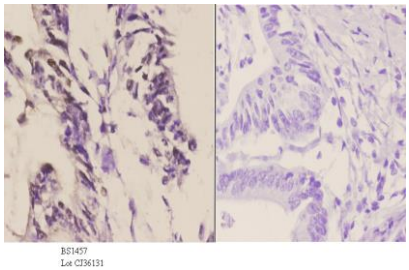
Western blot (WB) analysis of SAE1 (L247) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:MEF whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of SAE1 (L247) pAb in paraffin-embedded human colon carcinoma tissue at 1:50.showing nucleus staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.

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