

## DAP-5 (N65) polyclonal antibody

Catalog: BCP00637

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Death-associated protein 5 (DAP-5) (also known as p97 and NAT1) is a member of the eukaryotic translation initiation factor 4G (eIF4G) family. DAP-5 is ubiquitously expressed and is highly conserved among species. In response to activated FAS or p53, caspase cleaves DAP-5 at position 790 to yield a C-terminal truncated protein which is capable of forming complexes with eIF4A and eIF3. DAP-5 has homology to the carboxy-terminal portion of eIF4G, but lacks the N-terminal region of eIF4G, which is responsible for association with the CAP binding protein eIF4E. By forming translationally inactive complexes with eIF4A and eIF3, but not with eIF4E, DAP-5 functions as a general repressor of translation. During apoptosis, the caspase-activated DAP-5 can mediate CAP-independent translation at least from its own internal ribosome entry site, thus resulting in a positive feedback loop responsible for the continuous translation of DAP-5. DAP-5 is also required for cellular differentiation, as it controls specific gene expression pathways.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 90 kDa

### Swiss-Prot:

P78344

### 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

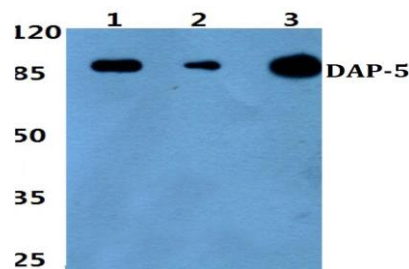
### Storage&Stability:

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

### Specificity:

DAP-5 (N65) polyclonal antibody detects endogenous levels of DAP-5 protein.

### DATA:

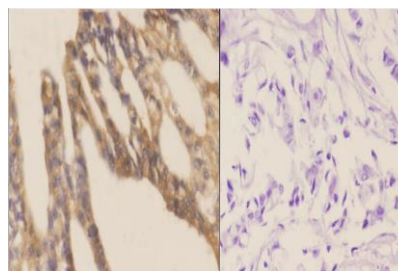


Western blot (WB) analysis of DAP-5 (N65) polyclonal antibody at 1:500 dilution

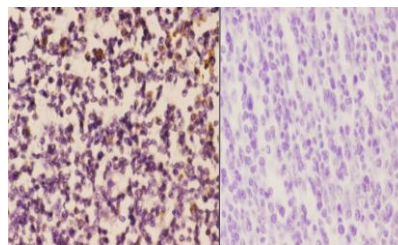
Lane1:HepG2 cell lysate

Lane2:Raw264.7 cell lysate

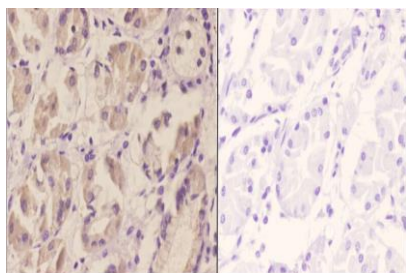
Lane3:H9C2 cell lysate



Immunohistochemistry (IHC) analyzes of DAP-5 (N65) pAb in paraffin-embedded human breast carcinoma tissue at 1:50. showing cytoplasmic staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of DAP-5 (N65) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50. showing cytoplasmic staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of DAP-5 (N65) pAb in paraffin-embedded human stomach carcinoma tissue at 1:50, showing cytoplasmic 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.