

PRODUCT DATA SHEET



Bioworld Technology, Inc.

4E-BP1 (P71) Antibody

Cat No.: BS5501

Host: Rabbit

Reactivity: Human, Mouse, Rat

BACKGROUND

The translation of proteins from eukaryotic mRNA is initiated by the multisubunit complex eIF-4F, which associates with the mRNA 5' cap structure. eIF-4E, a component of eIF-4F, is responsible for binding to the 5' cap structure and for the assembly of the eIF-4F complex. The regulatory protein 4E-BP1, also referred to as PHAS-I, inhibits eIF-4E function. Phosphorylation of 4E-BP1 by S6 kinase p70, MAP kinases or PKCs causes the disassociation of 4E-BP1 from eIF-4E, promoting translation. A protein that is functionally related to 4E-BP1, designated 4E-BP2, also associates with eIF-4E.

PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

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

IHC: 1:50 ~ 1:200 (Recommended Dilutions)

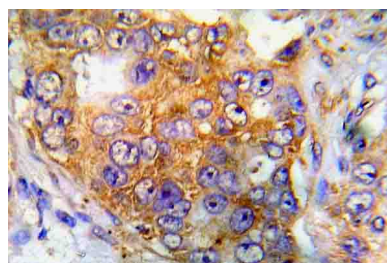
STORAGE & STABILITY

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

SPECIFICITY

4E-BP1 (P71) antibody detects endogenous levels of 4E-BP1 protein.

DATA



Immunohistochemistry (IHC) analyzes of 4E-BP1 (P71) antibody in paraffin-embedded human breast carcinoma tissue.

RESEARCH USE

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

Bioworld Technology, Inc.

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