

## Cables1 (K588) polyclonal antibody

Catalog: BS2218

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Cables, a 568 amino-acid protein, links Abl to cyclin-dependent kinase 5 (Cdk5). Cables bound to Cdk5 functions as a substrate for phosphorylation by the Cdk5/p35 kinase. Cables contains an area of weak homology to cyclin A and cyclin C. In addition to its C-terminal Cdk5 binding domain, Cables also has six potential SH3 binding motifs (PXXP) clustered around the amino terminus, two of which are similar to motifs known to bind the Abl SH3 domain. Cables forms a trimolecular complex with Cdk5 and Abl in vivo. All three proteins colocalize within cortical axons, particularly in their growth cones. Cables and Abl may function as adaptor or scaffolding proteins to bind to Cdk5 and control its subcellular location in the neuron.

### Product:

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

### Molecular Weight:

~ 67 kDa

### Swiss-Prot:

Q8TDN4

### 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

IF: 1:50~1:200

### Storage&Stability:

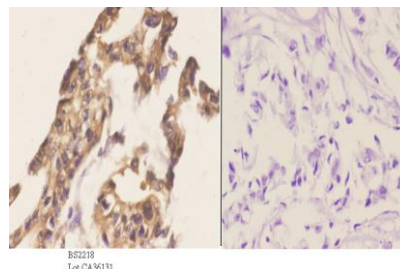
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

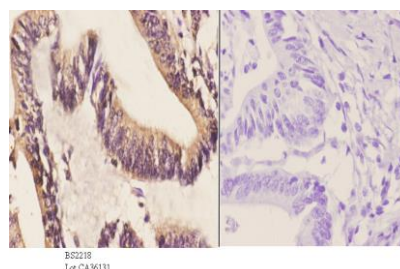
Cables1 (K588) polyclonal antibody detects endogenous

levels of Cables1 protein.

### DATA:



Immunohistochemistry (IHC) analyzes of Cables1 (K588) pAb in paraffin-embedded human breast carcinoma tissue at 1:50. showing cytoplasmic and nucleus 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 Cables1 (K588) pAb in paraffin-embedded human colon carcinoma tissue at 1:50. showing cytoplasmic and 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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