

## Anti-Carboxypeptidase D CPD Antibody

Catalog Number: A00975

### About CPD

4E-BP1 encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.

Gingras AC, et al. (1998) Genes Dev 12(4): 502-513.  
Brugarolas J, et al. (2004) Genes Dev 18(23): 2893-2904.  
Kumar V, et al. (2000) EMBO J 19(5): 1087-1097.  
Moody CA, et al. (2005) J Virol 79(9): 5499-5506.  
Burnett PE, et al. (1998) Proc Natl Acad Sci U S A 95(4): 1432-1437.

### Overview

|                      |                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-Carboxypeptidase D CPD Antibody                                                                                                       |
| Reactive Species     | Human                                                                                                                                      |
| Description          | Boster Bio Anti-Carboxypeptidase D CPD Antibody catalog # A00975. Tested in WB applications. This antibody reacts with Human.              |
| Application          | WB                                                                                                                                         |
| Clonality            | Polyclonal                                                                                                                                 |
| Formulation          | Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2                                                                     |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host                 | Rabbit                                                                                                                                     |
| Uniprot ID           | O75976                                                                                                                                     |

### Technical Details

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| Immunogen                  | Synthesized peptide derived from human LRP6 protein. |
| Predicted Reactive Species | Boar, Bovine, Canine, Golden Hamster                 |
| Cross Reactivity           | No cross reactivity with other proteins.             |
| Isotype                    | IgG                                                  |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration       | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purification        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).                                                                                                                                                                                                                                                                         |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:1000</p> |

## Anti-Carboxypeptidase D CPD Antibody (A00975) Images

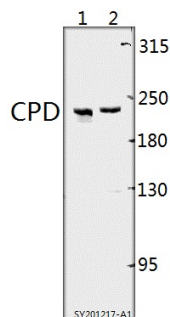


Figure 1. Western blotting validation for Anti-Carboxypeptidase D CPD Antibody A00975

Western blot (WB) analysis of CPD polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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