

# EBP Rabbit pAb

Catalog NO.: A14845

## Basic Information

### Observed MW

26kDa

### Calculated MW

26kDa

### Category

Polyclonal Antibodies

### Applications

WB, ELISA

### Cross-Reactivity

Mouse, Rat

### Conjugation

Unconjugated

## Background

The protein encoded by this gene is an integral membrane protein of the endoplasmic reticulum. It is a high affinity binding protein for the antiischemic phenylalkylamine Ca<sup>2+</sup> antagonist [3H]emopamil and the photoaffinity label [3H]azidopamil. It is similar to sigma receptors and may be a member of a superfamily of high affinity drug-binding proteins in the endoplasmic reticulum of different tissues. This protein shares structural features with bacterial and eukaryotic drug transporting proteins. It has four putative transmembrane segments and contains two conserved glutamate residues which may be involved in the transport of cationic amphiphilics. Another prominent feature of this protein is its high content of aromatic amino acid residues (>23%) in its transmembrane segments. These aromatic amino acid residues have been suggested to be involved in the drug transport by the P-glycoprotein. Mutations in this gene cause Chondrodysplasia punctata 2 (CDPX2; also known as Conradi-Hunermann syndrome).

## Recommended Dilutions

### WB

1:500 - 1:2000

### ELISA

Recommended starting concentration is 1 µg/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

10682

### Swiss Prot

Q15125

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

CPX; CHO2; CPXD; MEND; CDPX2; EBP

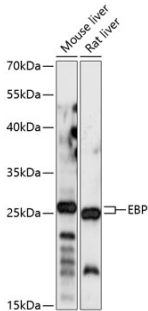
## Contact

## Product Information

|                                     |  |                      |
|-------------------------------------|--|----------------------|
| <input checked="" type="checkbox"/> |  | order@abclonal.com   |
| <input checked="" type="checkbox"/> |  | service@abclonal.com |
| <input checked="" type="checkbox"/> |  | www.abclonal.com     |

|                                                       |                |                       |
|-------------------------------------------------------|----------------|-----------------------|
| <b>Source</b>                                         | <b>Isotype</b> | <b>Purification</b>   |
| Rabbit                                                | IgG            | Affinity purification |
| <b>Storage</b>                                        |                |                       |
| Store at -20°C. Avoid freeze / thaw cycles.           |                |                       |
| Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3. |                |                       |

Validation Data



Western blot analysis of various lysates using EBP Rabbit pAb (A14845) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.

