

Rabbit EBP Polyclonal Antibody | anti-EBP antibody

EBP antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199741	Rabbit	Human (Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat)	Western Blot

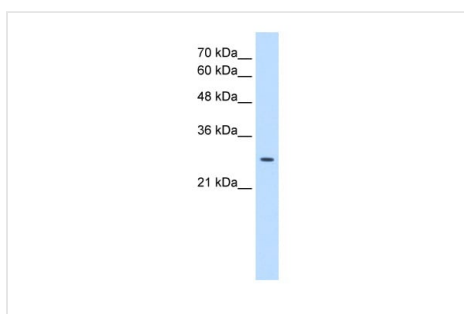
PRODUCT SYNONYMS

EBP; Polyclonal Antibody; EBP antibody - N-terminal region; anti-EBP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat)
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LV IEGWFLVLYE DLLGDQAFLS QLWKEYAKGD SRYILGDNFT VCMETITA
Sequence Length	230
Applicable Applications for anti-EBP antibody	WB (Western Blot)
Protein Size (#AA)	230 amino acids
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Mouse: 85%; Pig: 93%; Rabbit: 93%; Rat: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human EBP
Replacement Item	This antibody may replace item sc-374267 from Santa Cruz Biotechnology.
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-EBP Antibody Titration: 0.2-1 ug/ml
Positive Control: Jurkat cell lysate
EBP is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

ADDITIONAL INFORMATION

Related Product Information for anti-EBP antibody	This is a rabbit polyclonal antibody against EBP. It was validated on Western Blot using a cell lysate as a positive control. Target Description: EBP is an integral membrane protein of the endoplasmic reticulum. It is a high affinity binding protein for the antiischemic phenylalkylamine Ca2+ 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. These aromatic amino acid residues have been suggested to be involved in the drug transport by the P-glycoprotein. Mutations in EBP gene cause Chondrodysplasia punctata 2 (CDPX2; also known as Conradi-Hunermann syndrome).Emopamil-binding protein (EBP) is an integral membrane protein of the endoplasmic reticulum. It is a high affinity binding protein for the antiischemic phenylalkylamine Ca2+ 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. EBP shares structural features with bacterial and eukaryontic 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 EBP 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).
Product Categories/Family for anti-EBP antibody	Polyclonal; Membrane Protein; Drugs and Drug Metabolism; Disease Related; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729810
NCBI GeneID	10682
NCBI Accession #	NP_006570
NCBI GenBank Nucleotide #	NM_006579
UniProt Accession #	Q15125
Molecular Weight	26kDa
NCBI Official Full Name	3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase
NCBI Official Synonym Full Names	EBP cholesterol delta-isomerase
NCBI Official Symbol	EBP
NCBI Official Synonym Symbols	CPX; CHO2; CPXD; MEND; CDPX2
NCBI Protein Information	3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase
UniProt Protein Name	3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase
UniProt Gene Name	EBP
UniProt Synonym Gene Names	D8-D7 sterol isomerase
UniProt Entry Name	EBP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.