

Product datasheet

Anti-CacyBP antibody ab232955

9 Images

Overview

Product name	Anti-CacyBP antibody
Description	Rabbit polyclonal to CacyBP
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human, Pig Predicted to work with: Mouse, Rat, Cow, Cynomolgus monkey, Orangutan 
Immunogen	Recombinant full length protein (His-T7-tag) corresponding to Human CacyBP aa 2-228. Expressed in E.coli. N-terminal tags. Sequence: <pre> ASEELQKDL EEVKV LLEKAT RKRVR DALTA EKSKI ETEI KNKMQQKS QKK AELLDNEK PAAVV APIT TG YTVK ISNYG WDQSD KFVKI Y ITLTGVH QVPT ENVQVHF TERSF DLLVKN LNKGSYS MIVN NLLKPI SVE GSSKKVK TDTVL ILCRKKV ENTRWD YLTQ VEKECK EKEKPS YDTET DPS EGLMNV LKKIY ED GDDDMK RTINKA WVESR EKQAKG DTEF </pre> Database link: Q9HB71-1 <div style="display: flex; justify-content: space-around;">  Run BLAST with  Run BLAST with </div>
Positive control	WB: Recombinant human CacyBP; Pig brain lysate; HeLa and A431 cell lysates. IHC-P: Human liver, prostate, kidney, stomach, cerebrum and prostate cancer tissue. ICC/IF: HeLa cells.
General notes	This product was previously labelled as SIAH Interacting Protein

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40

	Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Protein A purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab232955** in the following tested applications.

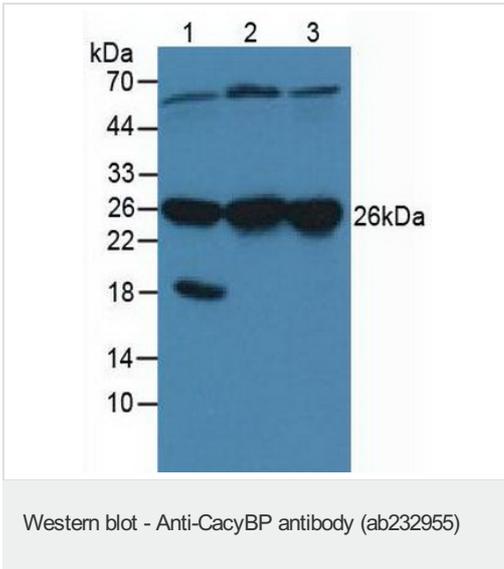
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 26 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.
ICC/IF		Use a concentration of 5 - 20 µg/ml.

Target

Function	May be involved in calcium-dependent ubiquitination and subsequent proteasomal degradation of target proteins. Probably serves as a molecular bridge in ubiquitin E3 complexes. Participates in the ubiquitin-mediated degradation of beta-catenin (CTNNB1).
Sequence similarities	Contains 1 CS domain. Contains 1 SGS domain.
Post-translational modifications	Phosphorylated on serine residues. Phosphorylated upon induction by RA or at high calcium concentrations.
Cellular localization	Nucleus. Cytoplasm. Cytoplasmic at low calcium concentrations. In neuroblastoma cells, after a retinoic acid (RA) induction and calcium increase, it localizes in both the nucleus and cytoplasm. The nuclear fraction may be phosphorylated.

Images



All lanes : Anti-CacyBP antibody (ab232955) at 3 µg/ml

Lane 1 : Pig brain lysate

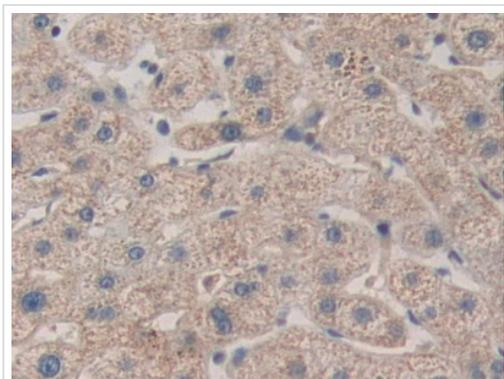
Lane 2 : HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

Lane 3 : A431 (human epidermoid carcinoma cell line) cell lysate

Secondary

All lanes : HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

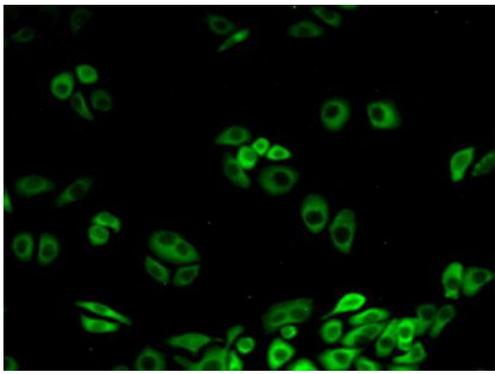
Predicted band size: 26 kDa



Formalin-fixed, paraffin-embedded human liver tissue stained for CacyBP using ab232955 at 10 µg/ml in immunohistochemical analysis.

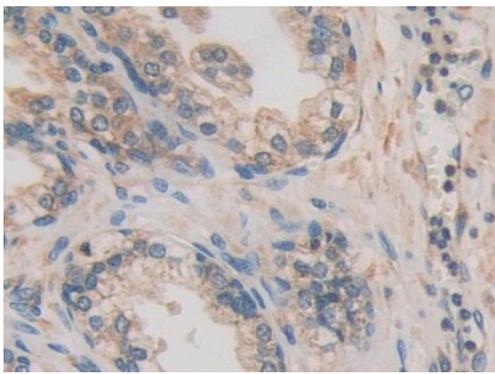
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 µg/ml. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CacyBP antibody (ab232955)



Immunocytochemistry/ Immunofluorescence - Anti-CacyBP antibody (ab232955)

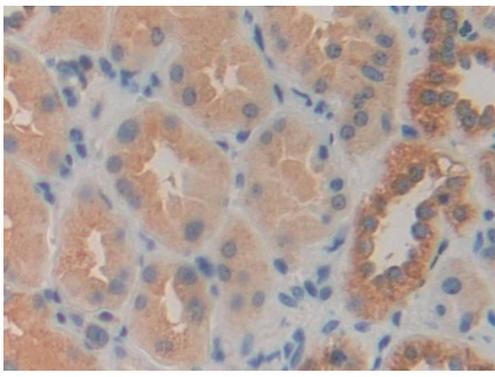
HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for CacyBP (green) using ab232955 at 20 $\mu\text{g}/\text{ml}$ in ICC/IF. FITC labeling.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CacyBP antibody (ab232955)

Formalin-fixed, paraffin-embedded human prostate tissue stained for CacyBP using ab232955 at 10 $\mu\text{g}/\text{ml}$ in immunohistochemical analysis.

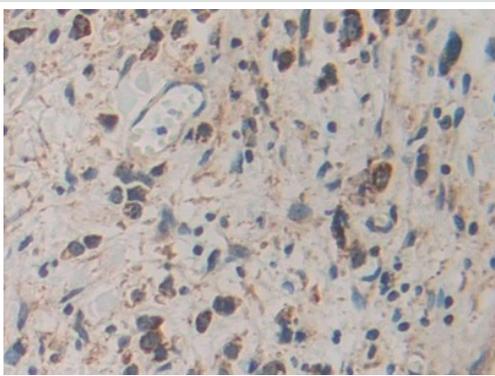
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 $\mu\text{g}/\text{ml}$. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CacyBP antibody (ab232955)

Formalin-fixed, paraffin-embedded human kidney tissue stained for CacyBP using ab232955 at 10 µg/ml in immunohistochemical analysis.

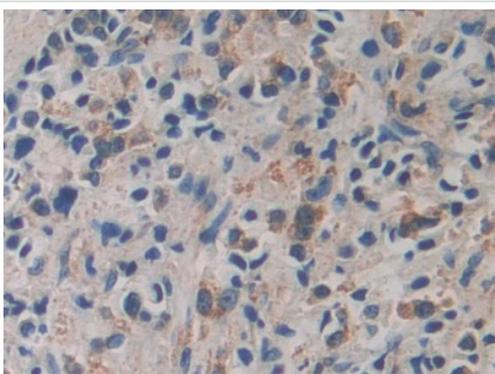
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 µg/ml. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CacyBP antibody (ab232955)

Formalin-fixed, paraffin-embedded human stomach cancer tissue stained for CacyBP using ab232955 at 10 µg/ml in immunohistochemical analysis.

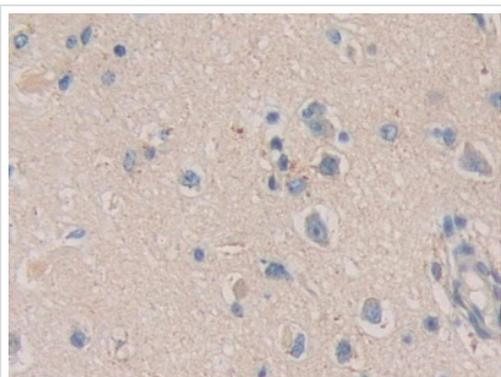
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 µg/ml. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CacyBP antibody (ab232955)

Formalin-fixed, paraffin-embedded human prostate cancer tissue stained for CacyBP using ab232955 at 10 µg/ml in immunohistochemical analysis.

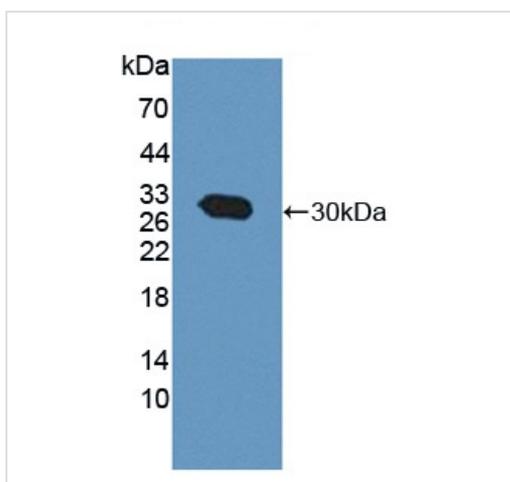
Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 µg/ml. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CacyBP antibody (ab232955)

Formalin-fixed, paraffin-embedded human cerebrum tissue stained for CacyBP using ab232955 at 10 µg/ml in immunohistochemical analysis.

Secondary used: HRP-Linked Goat anti-Rabbit IgG polyclonal at 2 µg/ml. DAB staining.



Western blot - Anti-CacyBP antibody (ab232955)

Anti-CacyBP antibody (ab232955) at 3 µg/ml + Recombinant human CacyBP

Secondary

HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

Predicted band size: 26 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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