

Product datasheet

Anti-HIP2 antibody ab37917

★★★★☆ 2 Abreviews 3 Images

Overview

Product name	Anti-HIP2 antibody
Description	Goat polyclonal to HIP2
Host species	Goat
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Chicken, Human Predicted to work with: Mouse, Cow, Dog, Pig, Zebrafish 
Immunogen	Synthetic peptide: C-SWDVETATELLSN , corresponding to C terminal amino acids 187-200 of Human HIP2. Run BLAST with Run BLAST with
Positive control	Jurkat and Human Liver lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline. pH 7.3
Purity	Immunogen affinity purified
Purification notes	This antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab37917** 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. Detects a band of approximately 24 kDa (predicted molecular weight: 23 kDa).
IHC-P		Use a concentration of 1 - 2 µg/ml.

Target

Function

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, in the presence or in the absence of BRCA1-BARD1 E3 ubiquitin-protein ligase complex, catalyzes the synthesis of 'Lys-48'-linked polyubiquitin chains. Does not transfer ubiquitin directly to but elongates monoubiquitinated substrate protein. Mediates the selective degradation of short-lived and abnormal proteins, such as the endoplasmic reticulum-associated degradation (ERAD) of misfolded luminal proteins. Ubiquitinates huntingtin. May mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequent degradation of p53/TP53. Proposed to be involved in ubiquitination and proteolytic processing of NF-kappa-B; in vitro supports ubiquitination of NFkB1. In case of infection by cytomegaloviruses may be involved in the US11-dependent degradation of MHC class I heavy chains following their export from the ER to the cytosol. In case of viral infections may be involved in the HPV E7 protein-dependent degradation of RB1.

Tissue specificity

Expressed in all tissues tested, including spleen, thymus, prostate, testis, ovary, small intestine, colon, peripheral blood leukocytes, T-lymphocytes, monocytes, granulocytes and bone marrow mononuclear cells. Highly expressed in brain, with highest levels found in cortex and striatum and at lower levels in cerebellum and brainstem.

Pathway

Protein modification; protein ubiquitination.

Sequence similarities

Belongs to the ubiquitin-conjugating enzyme family.
Contains 1 UBA domain.

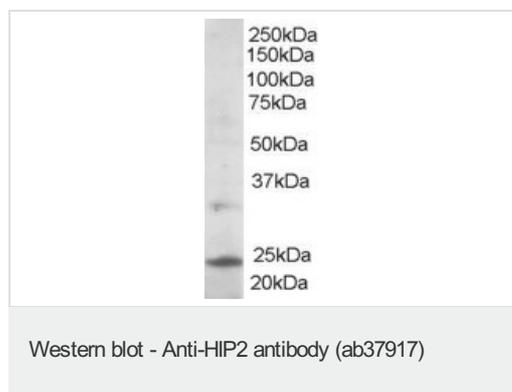
Post-translational modifications

Sumoylation at Lys-14 impairs catalytic activity.

Cellular localization

Cytoplasm.

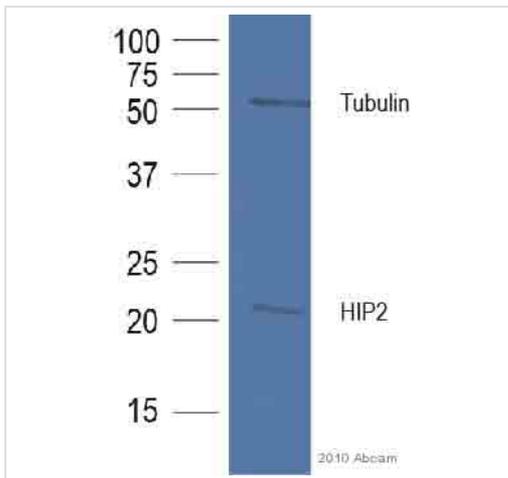
Images



Anti-HIP2 antibody (ab37917) at 0.5 µg/ml + Jurkat lysate (RIPA buffer, 35µg total protein per lane)

Predicted band size: 23 kDa

Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Western blot - Anti-HIP2 antibody (ab37917)
 This image is courtesy of an anonymous Abreview

Anti-HIP2 antibody (ab37917) at 1/1000 dilution + Cell lysate prepared from chicken DT40 lymphoblast cell line at 30 µg

Secondary

Donkey Anti-Goat IgG H&L (HRP) preadsorbed (ab7125) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 23 kDa

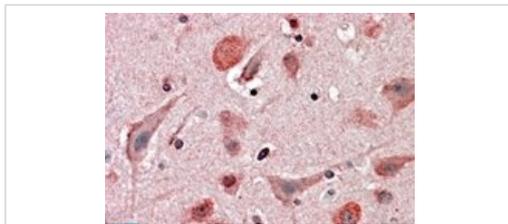
Observed band size: 22 kDa

[why is the actual band size different from the predicted?](#)

Exposure time: 5 minutes

Samples blocked with 5% milk for 30 minutes at room temperature.

Gel 12.5-15% run under denaturing conditions.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HIP2 antibody (ab37917)

ab37917 at 3.7 µg/ml staining HIP2 in Human cortex by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

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