


Product datasheet

Anti-RbBP5 antibody ab80074

1 Image

Overview

Product name	Anti-RbBP5 antibody
Description	Rabbit polyclonal to RbBP5
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Cow, Zebrafish 
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 50 - 150 of Human RbBP5. Read Abcam's proprietary immunogen policy (Peptide available as ab87828 .)
Positive control	This antibody gave a positive signal in the following whole cell lysates: WERI; Y79; SW480; HEK293.

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab80074** in the following tested applications.

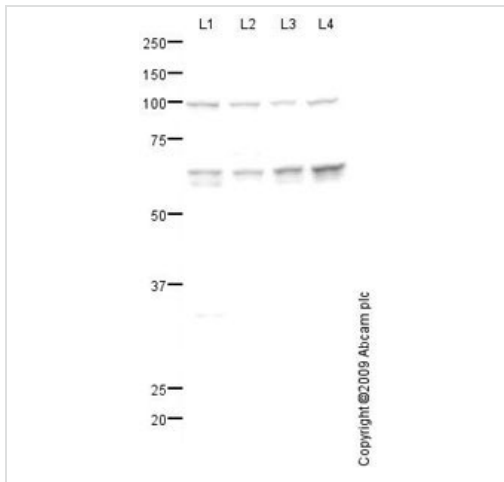
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 59 kDa).

Target

Function	As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation.
Tissue specificity	Ubiquitously expressed.
Sequence similarities	Contains 6 WD repeats.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

Images



Western blot - RbBP5 antibody (ab80074)

All lanes : Anti-RbBP5 antibody (ab80074) at 1 µg/ml

Lane 1 : WERI (Human Retinoblastoma)

Whole Cell Lysate

Lane 2 : Y79 (Human retinoblastoma cell line)

Whole Cell Lysate

Lane 3 : SW480 (Human colon

adenocarcinoma cell line) Whole Cell Lysate

Lane 4 : HEK293 (Human embryonic kidney

cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG -

H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 59 kDa

Observed band size: 60,65 kDa

Additional bands at: 100 kDa. We are

unsure as to the identity of these extra bands.

Exposure time: 30 seconds

RbBP5 contains a number of potential phosphorylation sites (SwissProt) which may explain the migration pattern observed. The antibody should cross-react with both isoform 1 (59-kDa) and isoform 2 (55-kDa) of RbBP5.

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