


## Product datasheet

# Anti-CPSF2 antibody ab81553

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### Overview

<b>Product name</b>	Anti-CPSF2 antibody
<b>Description</b>	Rabbit polyclonal to CPSF2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Chimpanzee, Rhesus monkey, Gorilla, Xenopus tropicalis 
<b>Immunogen</b>	Synthetic peptide corresponding to a region between residue 450 and 500 of Human CPSF2 (NP_059133.1).
<b>Positive control</b>	HeLa, 293T and NIH3T3 whole cell lysates.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: 0.1% BSA, Tris buffered saline
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab81553** 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		1/2000 - 1/10000. Predicted molecular weight: 88 kDa.
IP		Use at 2-5 µg/mg of lysate.

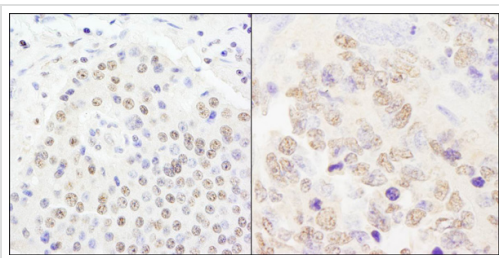
Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

**Relevance** CPSF2 belongs to the RNA-metabolizing metallo-beta-lactamase-like family, CPSF2/YSH1 subfamily. It is a component of the cleavage and polyadenylation specificity factor (CPSF) complex that plays a key role in pre-mRNA 3 prime-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. A poly(A) tail is added to eukaryotic mRNA precursors after tightly coupled cleavage and polyadenylation reactions at their 3-prime ends.

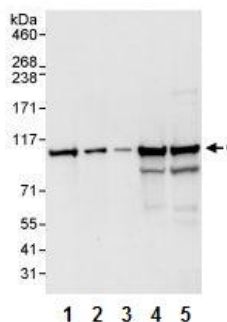
**Cellular localization** Nuclear

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human pancreatic islet cell tumor (left) and mouse teratoma (right) tissues labelling CPSF2 with ab81553 at 1/200 (1µg/ml).  
Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CPSF2 antibody (ab81553)



Western blot - CPSF2 antibody (ab81553)

**All lanes :** Anti-CPSF2 antibody (ab81553) at 0.04 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

**Lane 5 :** NIH3T3 whole cell lysate at 50 µg

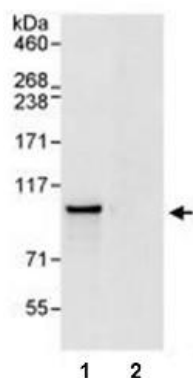
Developed using the ECL technique.

**Predicted band size:** 88 kDa

**Observed band size:** 100 kDa

**Additional bands at:** 80 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 30 seconds



Immunoprecipitation - CPSF2 antibody (ab81553)

HeLa cell lysate (1mg) was immunoprecipitated using ab81553 at 3µg/mg (lane 1) or IgG control (lane 2). 20% of the immunoprecipitate was analysed by Western blotting using ab81553 at 1µg/ml. Bands were observed by chemiluminescence with a 3 second exposure time.

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