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Datasheet for ABIN2705405  
**anti-RED1 antibody (Center)**

3 Images

### Overview

Quantity:	200 µL
Target:	RED1 (ADARB1)
Binding Specificity:	Center
Reactivity:	Human, Rat, Mouse, Zebrafish (Danio rerio), Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RED1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

### Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ADAR2.
Specificity:	Recognizes endogenous levels of ADAR2 protein.
Characteristics:	Rabbit polyclonal antibody to ADAR2
Purification:	The antibody was purified by immunogen affinity chromatography.

### Target Details

Target:	RED1 (ADARB1)
Alternative Name:	ADAR2 ( <a href="#">ADARB1 Products</a> )

## Target Details

Background:	ADAR2, DRADA2, RED1, Double-stranded RNA-specific editase 1, RNA-editing deaminase 1, RNA-editing enzyme 1, dsRNA adenosine deaminase
Gene ID:	104, 110532, 25367
UniProt:	<a href="#">P78563</a> , <a href="#">Q91ZS8</a> , <a href="#">P51400</a>

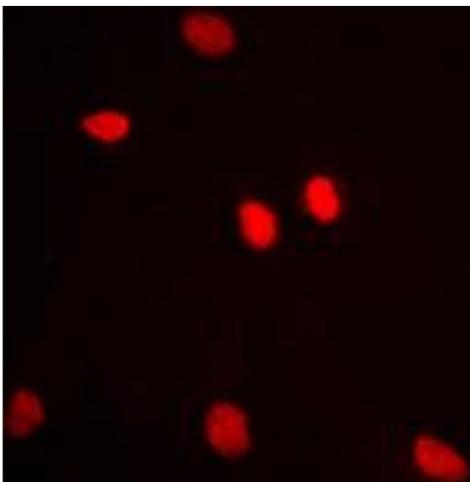
## Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

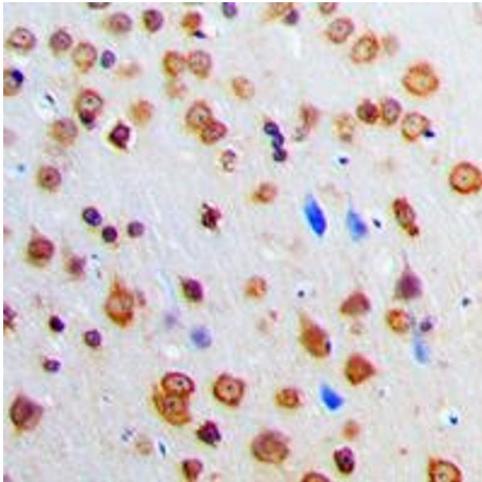
## Images



### Immunofluorescence

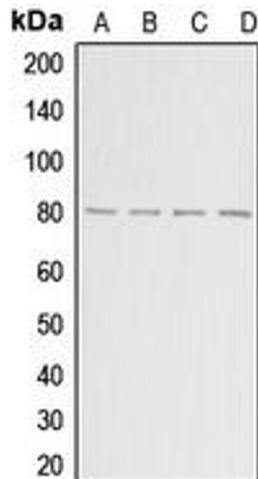
**Image 1.** Immunofluorescent analysis of ADAR2 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room

temperature in the dark. DAPI was used to stain the cell nuclei (blue).



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of ADAR2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



### Western Blotting

**Image 3.** Western blot analysis of ADAR2 expression in HepG2 (A), MCF7 (B), mouse brain (C), rat brain (D) whole cell lysates.