

**USP34 Core Antibody**  
**Chicken Polyclonal Antibody**  
**Catalog # ABV11130****Specification**

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**USP34 Core Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q70CQ2</a>
Reactivity	Human
Host	Chicken
Clonality	Polyclonal
Isotype	Chicken IgG
Calculated MW	404233

**USP34 Core Antibody - Additional Information****Gene ID** 9736**Application & Usage**

**Western blot: Robust detection of 100 ng of recombinant protein was possible when antibody was used at a final concentration of 5 µg/mL**

**Other Names**

FLJ43910, KIAA0570, KIAA0729, Ubiquitin Specific Protease 34 core domain.

**Target/Specificity**

USP34 Core

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

50 µg of antibody in PBS containing 10% glycerol

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

USP34 Core Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **USP34 Core Antibody - Protein Information**

**Name** USP34

**Synonyms** KIAA0570, KIAA0729

### **Function**

Ubiquitin hydrolase that can remove conjugated ubiquitin from AXIN1 and AXIN2, thereby acting as a regulator of Wnt signaling pathway. Acts as an activator of the Wnt signaling pathway downstream of the beta-catenin destruction complex by deubiquitinating and stabilizing AXIN1 and AXIN2, leading to promote nuclear accumulation of AXIN1 and AXIN2 and positively regulate beta-catenin (CTNBB1)-mediated transcription. Recognizes and hydrolyzes the peptide bond at the C- terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins.

### **Tissue Location**

Expressed in brain at low level.

## **USP34 Core Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **USP34 Core Antibody - Images**

## **USP34 Core Antibody - Background**

USP34 Core is a ubiquitin hydrolase that can remove conjugated ubiquitin from AXIN1 and AXIN2, thereby acting as a regulator of Wnt signaling pathway. It acts as an activator of the Wnt signaling pathway downstream of the beta-catenin destruction complex by deubiquitinating and stabilizing AXIN1 and AXIN2, leading to promote nuclear accumulation of AXIN1 and AXIN2 and positively regulate beta-catenin (CTNBB1)-mediated transcription. It recognizes and hydrolyzes the peptide bond at the C-terminal Gly of ubiquitin. It is involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. Its catalytic core consists of residues 1892-2241.