

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

USP34 Core Antibody - Product Information

Application	WB
Primary Accession	Q70CQ2
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.