



Rabbit Anti-USP34 antibody

SL34315R

Product Name USP34**Chinese Name** Ubiquitin 特异性肽酶 34 抗体**Alias**

Deubiquitinating enzyme 34 ; FLJ43910 ; KIAA0570 ; KIAA0729 ; MGC104459 ; Ubiquitin carboxyl terminal hydrolase 34 ; Ubiquitin carboxyl-terminal hydrolase 34 ; Ubiquitin specific processing protease 34 ; Ubiquitin specific protease 34 ; Ubiquitin thioesterase 34 ; Ubiquitin thiolesterase 34 ; Ubiquitin-specific-processing protease 34 ; UBP34_HUMAN ; USP 34 ; Usp34 ;

Research Area

Cell biology Chromatin and nuclear signals Epigenetics Ubiquitin

Immunogen Species

Rabbit

Clonality

Polyclonal

React Species Human(predicted:Mouse)**Applications**

IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight

404kDa

Cellular localization

The nucleus cytoplasmic

Form

Liquid

Concentration 1mg/ml**immunogen**

KLH conjugated synthetic peptide derived from human USP34

Lsotype

IgG

Purification

affinity purified by Protein A

Buffer Solution

PBS containing 50% glycerol, and 2% sodium azide.

Storage

Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

This product as supplied is intended for research use only, not for use in human, therapeutic

or diagnostic applications.

PubMed

[PubMed](#)

Enables cysteine-type endopeptidase activity and thiol-dependent deubiquitinase. Involved in positive regulation of canonical Wnt signaling pathway and protein K48-linked deubiquitination. Predicted to be active in cytosol and nucleus. [provided by Alliance of Genome Resources, Apr 2022]

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.

Subunit:

Interacts with AXIN1 and AXIN2.

**Product
Detail**

Tissue Specificity:

Expressed in brain at low level.

SWISS:

Q70CQ2

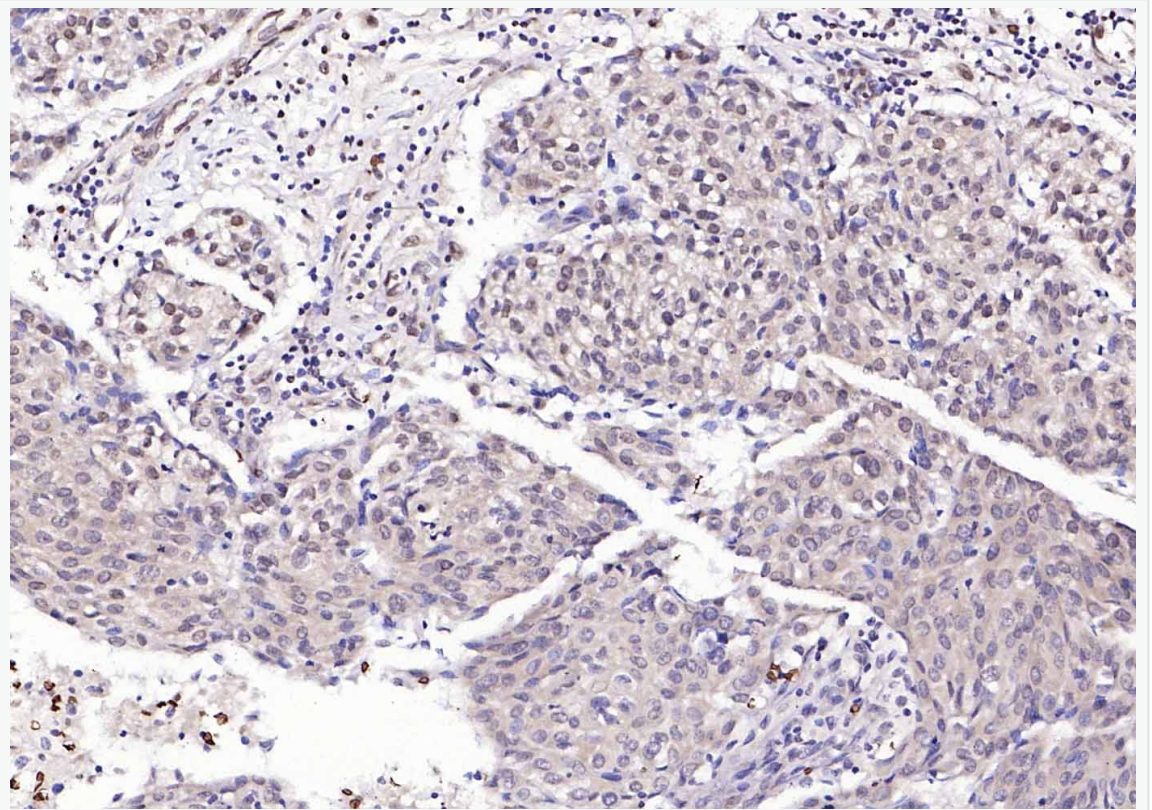
Gene ID:

9736

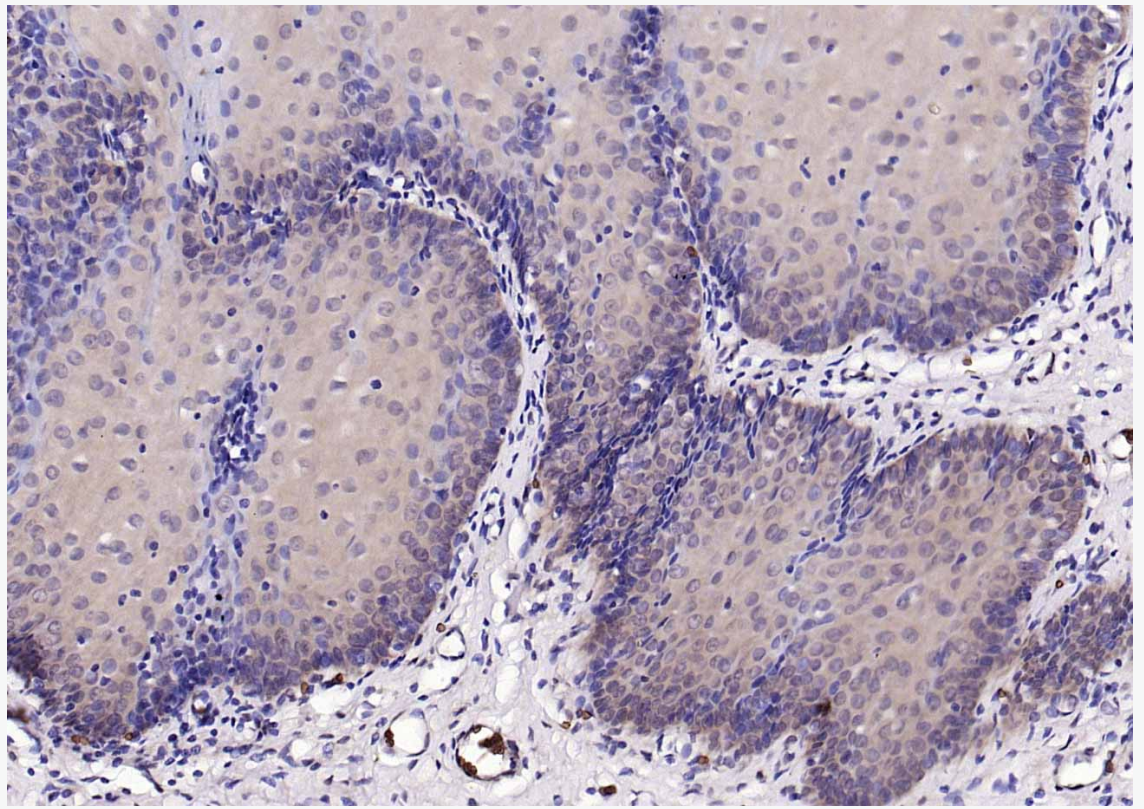
Database links:

- [Entrez Gene: 421193](#) Chicken
- [Entrez Gene: 534067](#) Cow
- [Entrez Gene: 474608](#) Dog
- [Entrez Gene: 100064939](#) Horse
- [Entrez Gene: 9736](#) Human
- [Entrez Gene: 360989](#) Rat
- [SwissProt: Q70CQ2](#) Human
- [Unigene: 644708](#) Human

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (USP34) Polyclonal Antibody, Unconjugated (SL34315R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human esophagus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (USP34) Polyclonal Antibody, Unconjugated (SL34315R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.