

USP15 Polyclonal Antibody

ALTERNATE NAMES: Deubiquitinating enzyme 15, KIAA0529, MGC131982, MGC74854, Ubiquitin carboxyl-terminal hydrolase 15, Ubiquitin-specific-processing protease 15, Ubiquitin thioesterase 15, Unph-2, Unph4, UNPH4, Ubiquitin-specific-processing protease 15

CATALOG #: 6135-50

AMOUNT: 50 µg

HOST: Chicken

ISOTYPE: IgG

IMMUNOGEN: Recombinant full length protein

PURIFICATION: Purified from Egg Yolk

FORM: Liquid

FORMULATION: 50 µg of antibody in PBS containing 10% glycerol

PREDICTED MW: 122 kDa

SPECIES REACTIVITY: Human

STORAGE CONDITIONS: Store at -20°C. Do not aliquot the antibody.

DESCRIPTION: The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP15 (ubiquitin specific peptidase 15), also known as UNPH4, is a member of the peptidase C19 family of proteins. Expressed in kidney, liver, placenta, ovary, lung, thymus, heart and skeletal muscle, USP15 localizes to the cytoplasm and the nucleus, contains one DUSP domain and functions as a deubiquitinating enzyme that cleaves ubiquitin residues from both ubiquitinated proteins and ubiquitin-fused precursors, thereby saving these proteins from proteasomal degradation. Via its DUSP domain, USP15 plays a role in the regulation of the COP9 signalosome (CSN) complex. Three isoforms exist for USP15 due to alternative splicing events.

SPECIFICITY: Human

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

Note: *This information is only intended as a guide. The optimal dilutions must be determined by the user*

RELATED PRODUCTS:

- USP4 Polyclonal Antibody (Cat. No. 6131-50)
- USP5 Polyclonal Antibody (Cat. No. 6132-50)
- USP8 Polyclonal Antibody (Cat. No. 6133-50)
- USP14 Polyclonal Antibody (Cat. No. 6134-50)
- USP34 Core Polyclonal Antibody (Cat. No. 6136-50)
- UCHL3 Polyclonal Antibody (Cat. No. 6128-50)
- UCHL5 Polyclonal Antibody (Cat. No. 6129-50)
- UCHL1 Polyclonal Antibody (Cat. No. 6130-50)

FOR RESEARCH USE ONLY! Not to be used on humans.