

Product datasheet for **TA369795**

USP12 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse liver tissue lysate IHC: 25-100 Positive control: Human tonsil Predicted cell location: Cytoplasm and Cell membrane
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	43 kDa
Gene Name:	ubiquitin specific peptidase 12
Database Link:	Entrez Gene 219333 Human O75317



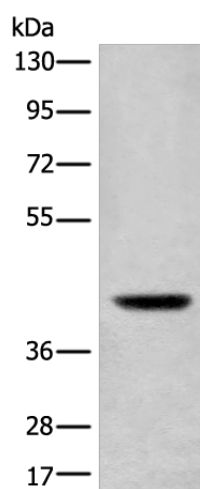
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Background:

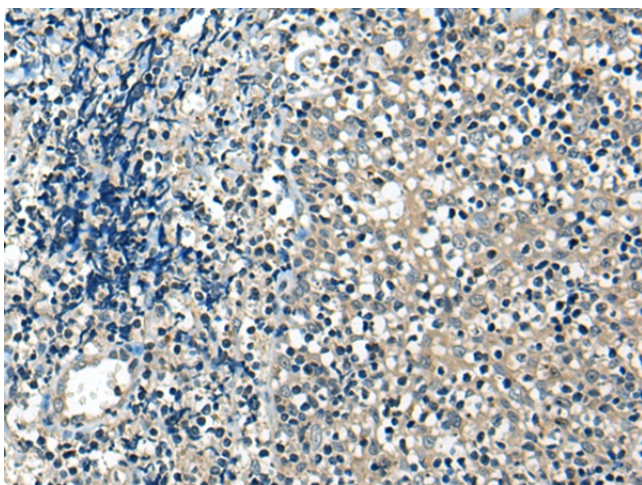
The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP12 (ubiquitin specific peptidase 12), also known as UBH1 or USP12L1, is a 370 amino acid protein belonging to the peptidase C19 family and the USP12/USP46 subfamily. Considered a deubiquitinating enzyme, it is suggested that USP12 has almost no deubiquitinating activity by itself and requires the interaction with WDR48 to have high activity. The gene encoding USP12 maps to human chromosome 13, which houses over 400 genes, such as BRCA2 and RB1, and comprises nearly 4% of the human genome.

Synonyms:

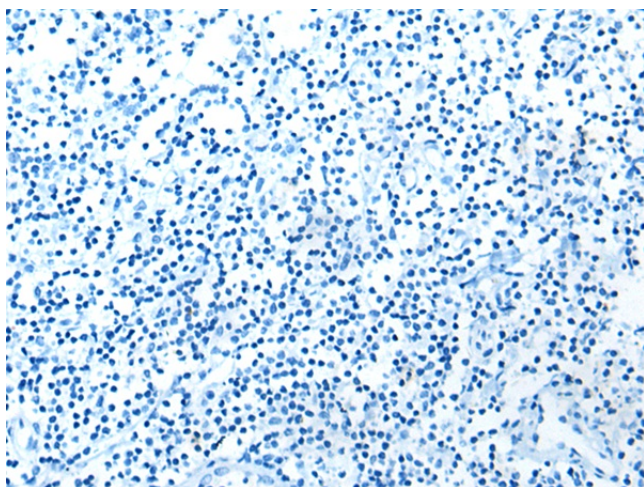
UBH1; USP12L1

Product images:

Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: Mouse liver tissue lysate
Primary antibody: TA369795 (USP12 Antibody) at dilution 1/700
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 second



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA369795 (USP12 Antibody) at dilution 1/35 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA369795 (USP12 Antibody) at dilution 1/35, treated with fusion protein. (Original magnification: $\times 200$)