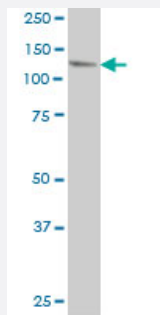


# USP48 monoclonal antibody (M01), clone 3G4

Catalog # H00084196-M01

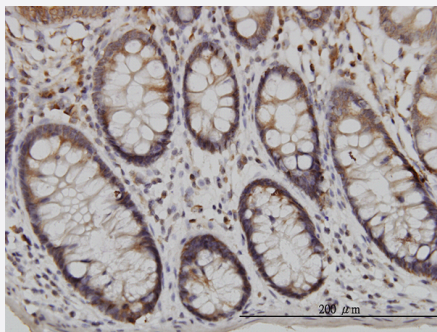
Size 100 ug

## Applications



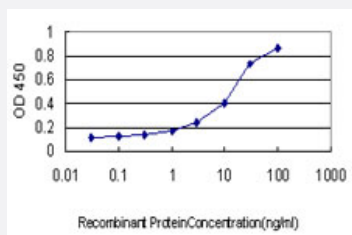
### Western Blot (Cell lysate)

USP48 monoclonal antibody (M01), clone 3G4 Western Blot analysis of USP48 expression in HeLa ( Cat # L013V1 ).



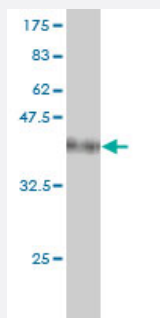
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to USP48 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged USP48 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

## Specification

|                                |  |
|--------------------------------|--|
| <b>Product Description</b>     | Mouse monoclonal antibody raised against a partial recombinant USP48.  |
| <b>Immunogen</b>               | USP48 (NP_115612, 110 a.a. ~ 219 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                | NLELRQALYLCPSTCSDYMLGDIQEEKDYEPQTICEHLQYLFALLQNSNRRYIDPSGFVKALGLDTGQQQDAQEFKLFMSLLEDTLKQKNPDVRNIVQQQFCGEYAY        |
| <b>Host</b>                    | Mouse  |
| <b>Reactivity</b>              | Human  |
| <b>Isotype</b>                 | IgG1 Kappa   |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.84 KDa) .           |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4  |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.   |

## Applications

- Western Blot (Cell lysate)

USP48 monoclonal antibody (M01), clone 3G4 Western Blot analysis of USP48 expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to USP48 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

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[Protocol Download](#)

- ELISA

## Gene Info — USP48

Entrez GeneID [84196](#)

GeneBank Accession# [NM\\_032236](#)

Protein Accession# [NP\\_115612](#)

Gene Name USP48

Gene Alias DKFZp762M1713, MGC132556, MGC14879, RAP1GA1, USP31

Gene Description ubiquitin specific peptidase 48

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a protein containing domains that associate it with the peptidase family C19, also known as family 2 of ubiquitin carboxyl-terminal hydrolases. Family members function as deubiquitinating enzymes, recognizing and hydrolyzing the peptide bond at the C-terminal glycine of ubiquitin. Enzymes in peptidase family C19 are involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

**Other Designations** OTTHUMP00000009467|ubiquitin specific protease 31|ubiquitin specific protease 48

## Publication Reference

- [Variants in USP48 encoding ubiquitin hydrolase are associated with autosomal dominant non-syndromic hereditary hearing loss.](#)

Sissy Bassani, Edward Beelen, Mireille Rossel, Norine Voisin, Anna Morgan, Yoan Arribat, Nicolas Chatron, Jacqueline Chrast, Massimiliano Cocca, Benjamin Delprat, Flavio Faletra, Giuliana Giannuzzi, Nicolas Guex, Roxane Machavoine, Sylvain Pradervand, Jeroen J Smits, Jiddeke M van de Kamp, Alban Ziegler, Francesca Amati, Sandrine Marlin, Hannie Kremer, Heiko Locher, Tangui Maurice, Paolo Gasparini, Giorgia Giroto, Alexandre Reymond.

Human Molecular Genetics 2021 Sep; 30(19):1785.

Application: IF, IHC-P, Human, Human fetal inner ears